



**Creative[®]
Biolabs**
Antibody-drug Conjugate

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All-sided compounds and intermediates to support novel biotherapeutics research and technology

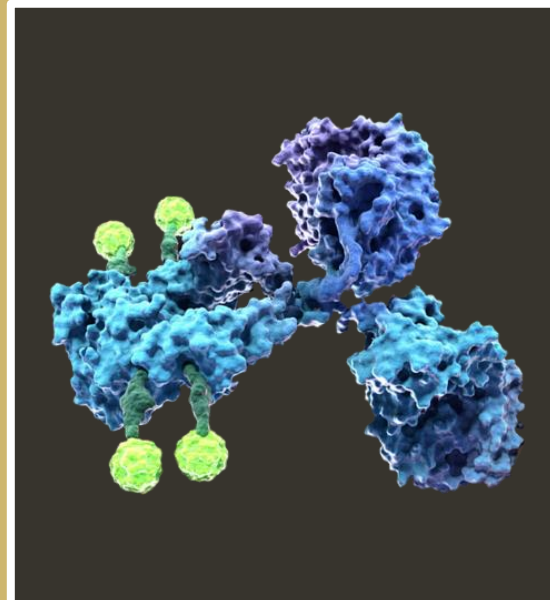


ANTIBODY-DRUG CONJUGATE

Comprehensive one-stop-shop
for all aspects in ADC research
and development

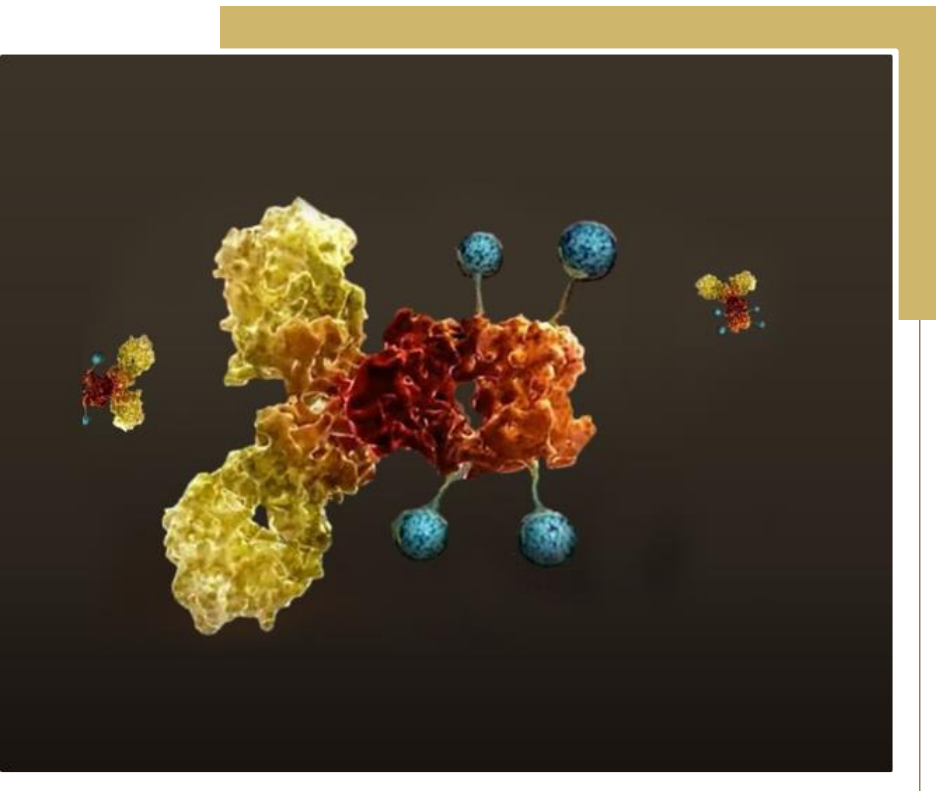
ADC Products

Based on advanced technology and years of experience, Creative Biolabs offers a variety of customized ADC, linker-Toxin products, ADCs cytotoxin, ADCs linkers, Anti-drug Abs and Anti-Ab ADCs for your ADC projects and promote your progress in ADC development.



Creative Biolabs

Creative Biolabs is a world-renowned service provider for antibody-drug conjugate (ADC) service and products. After years of pursuit for perfection, Creative BioLabs has established leadership in targeted immunotherapy and ADC development.



Outline

01.Customized ADCs

02.Linker-Toxin

03.ADCs Cytotoxin

04.ADCs Linker

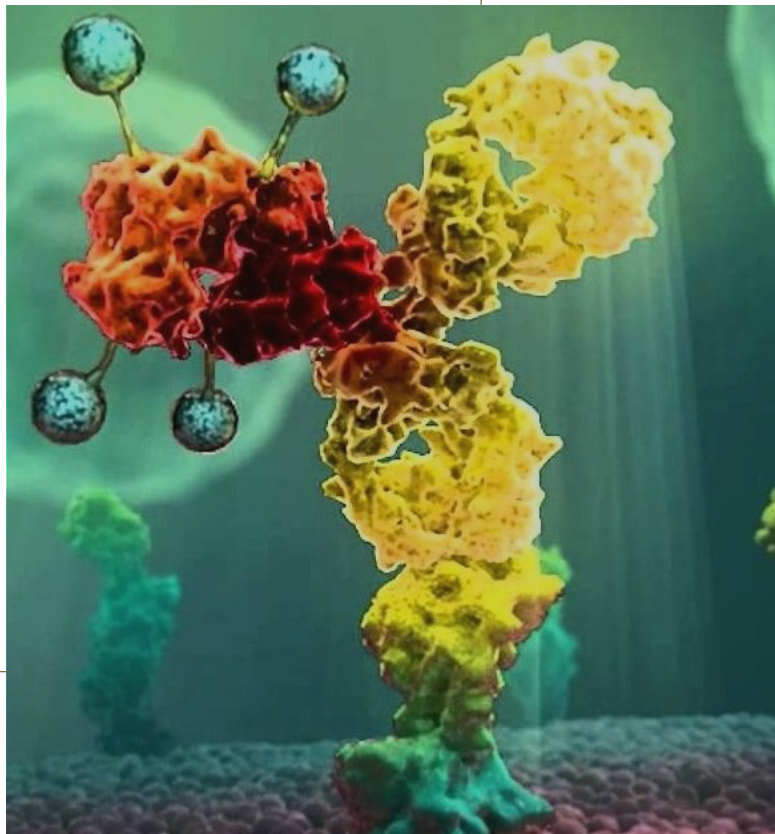
05.Anti-drug Abs

06.Anti-Ab ADCs

07.Contact us



Creative Biolabs provides a full range of ADC products to help your ADC development .



CUSTOMIZED ADCS

Creative Biolabs offers a variety of customarily prepared ADC products to serve the course of ADC development and evaluation. Taken advantage of our large inventory of therapeutic antibodies, our scientists help create the custom ADC products by conjugating therapeutic antibodies against cancer surface antigens with different drug-linker complexes.

APPLICATION

ADCs have created a new paradigm for novel anticancer drug development. With both the specificity of the large-molecule monoclonal antibody and the potency of the small molecule cytotoxic drug, ADCs have tremendous potential to be part of the future of cancer precision medicine as well as cancer combination therapies.

Customized ADCs

Cat. No	Product Name	Similar To	Antibody	Linker	Payload
ADC-W-095	Anti-LAMP1-SPDB-DM4 ADC	SAR428926	Chimeric Anti-LAMP1-antibody, clone # chMAbl	SPDB	DM4
ADC-W-320	Anti-SDC1 (nBT062)-SPDB-DM4 ADC	Indatuximab ravtansine (BT-062)	Chimeric Anti-SDC1 IgG4 antibody, nBT062	SPDB	DM4
ADC-W-322	Anti-CD19 (clone hBU12)-Mc-MMAF ADC	SGN-CD19A	Anti-CD19 antibody, clone # Hbu12	Mc	MMAF
ADC-W-324	Anti-CD19 (clone huB4)-SPDB-DM4 ADC	Coltuximab ravtansine (SAR3419)	Humanized Anti-CD19 IgG1κ antibody, clone # huB4	SPDB	DM4
ADC-W-379	Anti-CD79B (Polatuzumab)-VC-MMAE ADC	Polatuzumab vedotin	Humanized Anti-CD79B IgG1 Antibody, Polatuzumab	VC	MMAE
ADC-W-398	Anti-EphA2 (clone 1C1)-VC-MMAE ADC	MEDI547	Anti-EphA2 Antibody, clone # 1C1	VC	MMAE
ADC-W-402	Anti-FOLR1 (clone M9346A)-sulfo-SPDB-DM4 ADC	IMGN853	Humanized Anti-FOLR1 Antibody, clone # M9346A	sulfo-SPDB	DM4
ADC-W-422	Anti-ITGAV (clone MF-T)-SPDB-DM4 ADC	IMGN388	Humanized Anti-ITGAV IgG1 Antibody, clone # MF-T	SPDB	DM4
ADC-W-438	Anti-HAVCR1 (clone CR-014)-VC-MMAE ADC	CDX-014	Human Anti-HAVCR1 Antibody, clone # CR-014	VC	MMAE
ADC-W-452	Anti-CD70 (clone 1F6)-Mc-MMAF ADC	Vorsetuzumab mafodotin (SGN-75)	Anti-CD70 Antibody, clone # 1F6	Mc	MMAF
ADC-W-459	Anti-FUT3 (clone hu3S193)-AcBut-CalichDMH ADC	CMD-193	Humanized Anti-FUT3 IgG1 Antibody, hu3S193	AcBut	CalichDMH
ADC-W-460	Anti-NCAM1 (clone huN901)-SPP-DM1 ADC	Lorvotuzumab mertansine (IMGN901)	Anti-NCAM1 IgG1 Antibody, clone # huN901	SPP	DM1
ADC-W-461	Anti-CD22 (clone G5/44)-AcBut-CalichDMH ADC	Inotuzumab ozogamicin	Humanized Anti-CD22 Antibody, clone # G5/44	AcBut	CalichDMH
ADC-W-462	Anti-GPNMB-VC-MMAE ADC	Glembatumumab vedotin (CDX-011)	Human Anti-GPNMB Antibody	VC	MMAE

Customized ADCs

Cat. No	Product Name	Similar To	Antibody	Linker	Payload
ADC-W-464	Anti-CD33 (clone hP67.6)-AcBut-Calicheamicin ADC	Gemtuzumab ozogamicin	Anti-CD33 IgG4κ Antibody, clone # hP676	AcBut	Calicheamicin
ADC-W-465	Anti-TNFRSF8 (Brentuximab)-VC-PAB-MMAE ADC	TNFRSF8	Anti-TNFRSF8 Antibody, Brentuximab	VC-PAB	MMAE
ADC-W-469	Anti-CA6 (clone huDS6)-SPDB-DM4 ADC	huDS6-DM4 (SAR566658)	Anti-MUC1 Antibody, clone # huDS6	SPDB	DM4
ADC-W-471	Anti-CD70-VC-MED-2460-ADC	MDX-1203	Human Anti-CD70 IgG1 Antibody	VC	MED-2460
ADC-W-472	Anti-CEACAM5-Phy-lys-SN-38 ADC	IMMU-130 ((hMN14-SN38))	Humanized Anti-CEACAM5 IgG1 Antibody	Phy-lys	SN-38
ADC-W-473	Anti-CD37-SMCC-DM1 ADC	IMGN529	Humanized Anti-CD37 IgG1 Antibody	SMCC	DM1
ADC-W-474	Anti-MSLN-SPDB-DM4 ADC	Anetumab ravtansine (BAY 94-9343)	Human Anti-MSLN IgG1 Antibody	SPDB	DM4
ADC-W-475	Anti-CA9-VC-MMAE ADC	BAY 79-4620	Human Anti-CA9 IgG1 Antibody	VC	MMAE
ADC-W-476	Anti-SLC44A4 (AGS-5)-VC-MMAE ADC	ASG-5ME	Human Anti-SLC44A4 IgG1 Antibody	VC	MMAE
ADC-W-477	Anti-nectin4-VC-MMAE ADC	ASG-22ME	Human Anti-NECTIN4 IgG1 Antibody	VC	MMAE
ADC-W-478	Anti-ENPP3-Mc-MMAF ADC	AGS-16M8F (AGS-16C3F)	Human Anti-ENPP3 IgG2k Antibody	Mc	MMAF
ADC-W-479	Anti-CD74 (clone hLL1)-SMCC-Dox ADC	Milatuzumab-dox (IMMU-110)	Humanized Anti-ECD74 Antibody, clone # Hll1	SMCC	Doxorubicin
ADC-W-480	Anti-CD33 (huMy9-6)-SPDB-DM4 ADC	AVE9633	Humanized Anti-CD33 IgG1 Antibody, huMy9-6	SPDB	DM4
ADC-W-484	Anti-CD22 (clone hu10F4)-MCC-DM1 ADC	hu10F4-MCC-DM1	Humanized Anti-CD22 Antibody, hu10F4	MCC	DM1
ADC-W-485	Anti-Epha2 (clone 1C1)-Mc-MMAF ADC	MEDI-547	Human Anti-EPHA2 IgG1 Antibody, clone # 1C1	Mc	MMAF

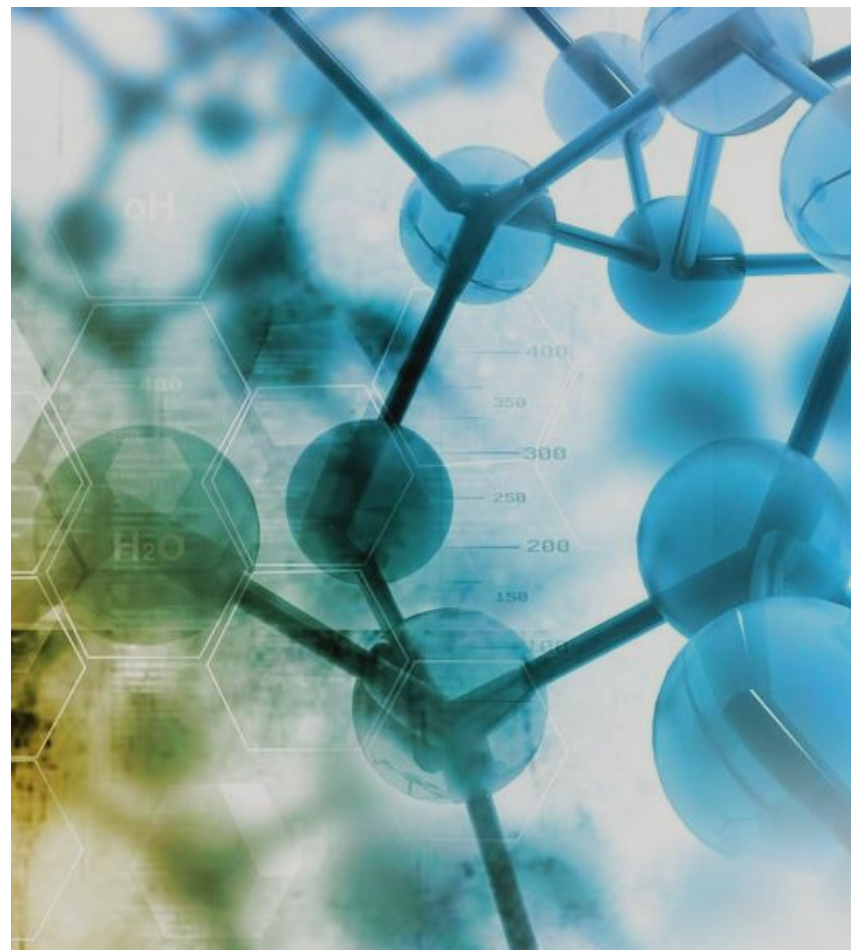


LINKER-TOXIN

Creative Biolabs offers a large collection of pre-assembled drug-linker complexes for ready-to-go antibody conjugation to speed up new ADC development processes. From well-established compounds such as MC-vc-PAB-MMAE, to more innovative complex sets including peptide linker-based duocarmycin derivative, pH labile linker-based calicheamicin set...

APPLICATION

With toxin targeting defined intracellular targets and linker with various releasing mechanisms, the drug-linker complexes will help promote the progress of customized ADC projects.



Linker-Toxin

Cat. No	Product Name	CAS	Molecular Weight	Purity
ADC-S-001	Cys-mcMMAD	None	1085.42	95%
ADC-S-002	DBCO-PEG4-MMAF	None	1252.5	95%
ADC-S-003	DBCO-PEG4-Ahx-DM1	None	1297.9	95%
ADC-S-004	Mc-MMAD	1401963-15-2	964.26	95%
ADC-S-005	Mc-MMAE	863971-24-8	911.18	95%
ADC-S-006	Vc-MMAD	1401963-17-4	1369.71	95%
ADC-S-007	VcMMAE	646502-53-6	1316.63	95%
ADC-S-008	OSu-Glu-vc-PAB-MMAE	None	1334.6	95%
ADC-S-009	SMCC-DM1	1228105-51-8	1072.6	95%
ADC-S-010	SPDB-DM4	None	780.4	95%
ADC-S-011	OSu-PEG4-vc-PAB-Duocarmycin SA	None	1421.9	95%
ADC-S-012	MC-vc-PAB-MMAE	646502-53-6	1316.6	95%
ADC-S-013	MC-MMAF	863971-19-1	925.2	95%
ADC-S-014	MC-DM1		843.4	95%



ADCS CYTOTOXIN

Creative Biolabs offers highly potent toxins and toxin derivatives targeting a variety of cellular pathways, including microtubule assemble and dynamics (microtubule toxins), DNA biochemistry and structure (DNA toxins), and gene transcription (transcription toxins) ... for ADC development.

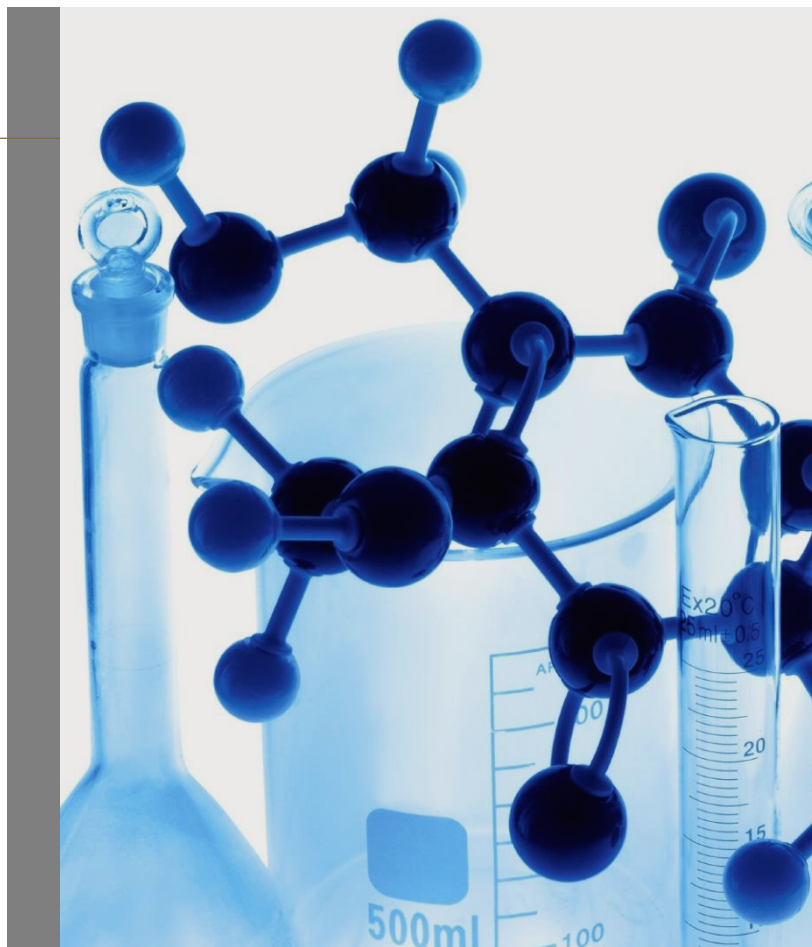
FEATRUES

ADC toxins target crucial intracellular pathways to induce cell death and they can be over 1000-fold more potent than chemo therapeutic agents. The toxins from Creative Biolabs are of high purity (>95%) and defined structure as often characterized by LC-MS and ¹HNMR.



ADCs Cytotoxin

Cat. No	Product Name	CAS	Molecular Weight	Purity
ADC-P-004	Auristatin E	160800-57-7	732.01	95%
ADC-P-005	Auristatin F	163768-50-1	745.99	95%
ADC-P-012	Dolastatin 10	110417-88-4	785.09	95%
ADC-P-015	Maytansinol	57103-68-1	565.06	95%
ADC-P-018	MMAD	203849-91-6	771.06	95%
ADC-P-020	MMAF	745017-94-1	731.96	95%
ADC-P-022	Monomethyl auristatin E	474645-27-7	717.98	95%
ADC-P-033	DM1	139504-50-0	738.29	95%
ADC-P-034	DM4	799840-96-3	780.37	95%
ADC-P-132	Pyrrolobenzodiazepine Dimer	1222490-34-7	556.61	95%
ADC-P-137	Sandramycin	100940-65-6	1221.33	95%
ADC-P-146	INNO-206	1361644-26-9	750.75	95%



ADCS LINKER

Creative Biolabs offers a variety of chemically versatile linker molecules to facilitate ADC development projects. All chemical linkers are of >95% purity and they are the basic building blocks for a successful ADC. Linkers facilitate the conjugation of ADC toxins to antibodies and in the meantime, they also dictate the release mechanism of an ADC.

FEATURES

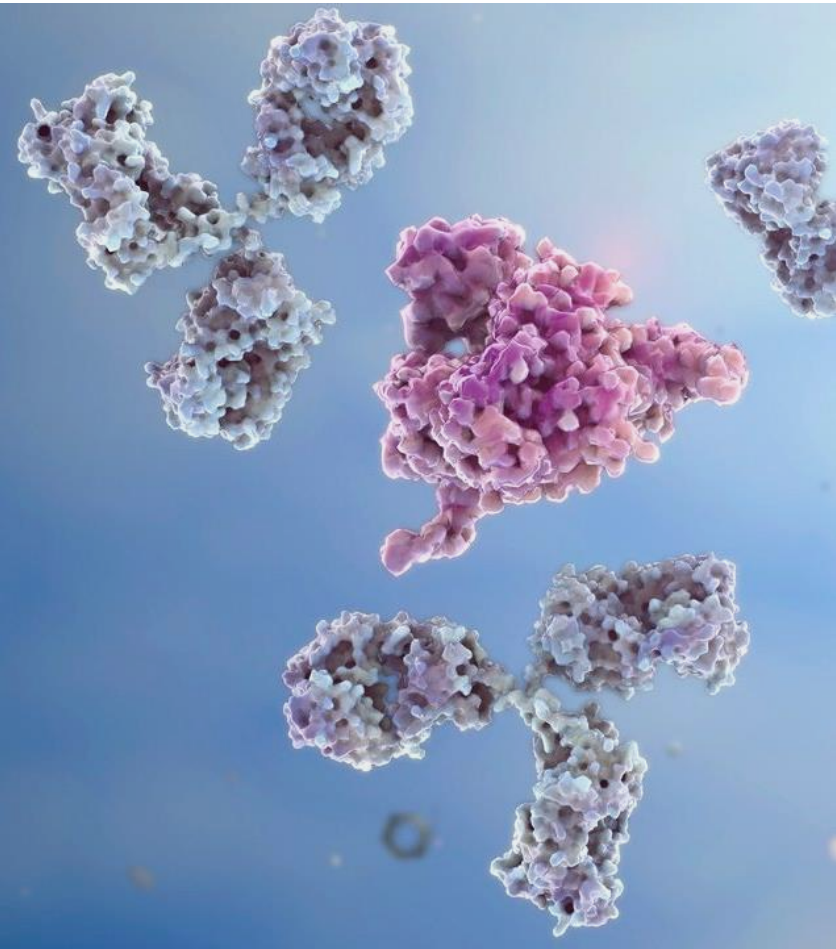
We carry a series of cleavable linkers (pH-sensitive linkers, disulfide linker, peptide linkers, β -glucuronide linkers), non-cleavable linkers, and intermediate linker modules. We also offer the services in the DrugLink synthesis platform to prepare customized linkers with unique structures.

ADCs Linker

Cat. No	Product Name	CAS	Molecular Weight	Purity
ADC-L-003	Fmoc-Val-Cit-PAB	159858-22-7	601.69	95%
ADC-L-004	Fmoc-Val-Cit-PAB-PNP	863971-53-3	766.8	95%
ADC-L-005	Mc-Val-Cit-PABC-PNP	159857-81-5	737.76	95%
ADC-L-007	Val-Cit-PAB	159857-79-1	379.45	95%
ADC-L-008	MC-Val-Cit-PAB-PNP	159857-81-5	737.77	95%
ADC-L-016	SMCC	64987-85-5	334.32	95%
ADC-L-038	Val-Cit-PAB	159857-79-1	379.45	95%
ADC-L-039	Phe-Lys(Fmoc)-PAB	None	620.74	95%
ADC-L-040	Aloc-D-Ala-Phe-Lys(Aloc)-PAB-PNP	253863-34-2	802.83	95%
ADC-L-042	Boc-Phe-(Alloc)Lys-PAB-PNP	1160844-44-9	747.79	95%
ADC-L-044	N-Succinimidyl 3-(pyridin-2-ylidithio)-propionate (SPDP)	68181-17-9	312.36	95%
ADC-L-045	perfluorophenyl 3-(pyridin-2-yldisulfanyl)propanoate	160580-70-1	381.34	95%
ADC-L-047	2,5-dioxopyrrolidin-1-yl 3-methyl-3-(pyridin-2-yldisulfanyl) butanoate	None	340.42	95%

ADCs Linker

Cat. No	Product Name	CAS	Molecular Weight	Purity
ADC-L-048	N-Succinimidyl 4-(2-pyridyldithio) butanoate	115088-06-7	326.39	95%
ADC-L-066	4-succinimidylloxycarbonyl-alpha-methyl-alpha(2-pyridyldithio)toluene	112241-19-7	388.46	95%
ADC-L-068	15-(2-pyridyldithio)-4,7,10,13-tetraoxapentadecanoic acid N-hydroxysuccinimide ester	1305053-43-3	488.57	95%
ADC-L-071	2-methyl-2-(pyridin-2-yl-disulfanyl)propyl 4-nitrophenyl carbonate	None	380.44	95%
ADC-L-072	N-SMP	55750-61-3	252.18	95%
ADC-L-074	GMBS	80307-12-6	280.23	95%
ADC-L-075	5-Maleimidovalericacid-NHS	103750-03-4	294.26	95%
ADC-L-078	Mal-PEG4-NHS	1325208-25-0	442.42	95%
ADC-L-082	Mal-PEG4-NHS-ester	756525-99-2	513.5	95%
ADC-L-086	Propargyl-N-hydroxysuccinimidyl ester	1174157-65-3	225.2	95%
ADC-L-093	Succinimidyl-4-azidobutyrate	943858-70-6	226.19	95%
ADC-L-096	4-azidobenzoic acid N-hydroxysuccinimide ester	53053-08-0	260.21	95%
ADC-L-109	Tert-butyl 1-(4-formylphenyl)-1-oxo-5,8,11-trioxa-2-azatridecan-13-oate	1007215-94-2	395.45	95%
ADC-L-121	NHS-PEG ₃ -NHS	1314378-11-4	488.5	95%



ANTI-DRUG AB

Due to the high potency of ADC toxins, antibodies against ADC cytotoxic are difficult to develop. After devoting a tremendous amount of effort, Creative Biolabs has raised a series of antibodies, collectively anti-drug Abs, against ADC toxin antigens include MMAE, MMAF, DM1, DM4, Calicheamicin, Duocarmycin.

APPLICATION

These anti-drug Abs will be valuable assets to facilitate the PK and safety evaluation of newly developed ADCs bearing these drugs.

Anti-drug Ab

Cat. No	Product Name	Host animal	Payload Category
ADC-AD-001	Anti-vc-PAB-MMAE polyclonal antibody	rabbit	Tubulin inhibitor
ADC-AD-002	Anti-vc-PAB-MMAE monoclonal antibody	mouse	Tubulin inhibitor
ADC-AD-003	Anti-MMAF polyclonal antibody	rabbit	Tubulin inhibitor
ADC-AD-004	Anti-MMAF monoclonal antibody	mouse	Tubulin inhibitor
ADC-AD-005	Anti-MMAE/MMAF monoclonal antibody (clone m1)	mouse	Tubulin inhibitor
ADC-AD-006	Anti-MMAE/MMAF monoclonal antibody (clone m2)	mouse	Tubulin inhibitor
ADC-AD-007	Anti-DM1/DM4 polyclonal antibody	rabbit	Tubulin inhibitor
ADC-AD-008	Anti-DM1/DM4 monoclonal antibody (clone d1)	mouse	Tubulin inhibitor
ADC-AD-009	Anti-DM1/DM4 monoclonal antibody (clone d2)	mouse	Tubulin inhibitor
ADC-AD-025	Anti-PBD polyclonal antibody	rabbit	DNA inhibitor
ADC-AD-026	Anti-PBD monoclonal antibody (clone pb1)	mouse	DNA inhibitor
ADC-AD-027	Anti-PBD monoclonal antibody (clone pb2)	mouse	DNA inhibitor
ADC-AD-028	Anti-PBD monoclonal antibody (clone pb3)	mouse	DNA inhibitor

Anti-drug Ab

Cat. No	Product Name	Host animal	Payload Category
ADC-AD-005	Anti-MMAE/MMAF monoclonal antibody (clone m1)	mouse	Tubulin inhibitor
ADC-AD-006	Anti-MMAE/MMAF monoclonal antibody (clone m2)	mouse	Tubulin inhibitor
ADC-AD-007	Anti-DM1/DM4 polyclonal antibody	rabbit	Tubulin inhibitor
ADC-AD-008	Anti-DM1/DM4 monoclonal antibody (clone d1)	mouse	Tubulin inhibitor
ADC-AD-009	Anti-DM1/DM4 monoclonal antibody (clone d2)	mouse	Tubulin inhibitor
ADC-AD-025	Anti-PBD polyclonal antibody	rabbit	DNA inhibitor
ADC-AD-026	Anti-PBD monoclonal antibody (clone pb1)	mouse	DNA inhibitor
ADC-AD-027	Anti-PBD monoclonal antibody (clone pb2)	mouse	DNA inhibitor
ADC-AD-028	Anti-PBD monoclonal antibody (clone pb3)	mouse	DNA inhibitor





ANTI-AB ADCS

The basic concept of ADC requires the internalization of an antibody upon target recognition and the intracellular release of the cytotoxin. Creative Biolabs has developed a series of anti-Ab ADC products that are used for screening of ADC-suitable internalizing antibodies under “load-bearing” conditions.

FEATRUES

Our Anti-Ab ADC products are essentially proteins (either Protein A or Protein G) or secondary antibodies that interact with the certain region of a monoclonal antibody and they are pre-loaded with toxins. Once applied, the desired antibody will be identified when enhanced target cell death is observed due to the internalized toxin.

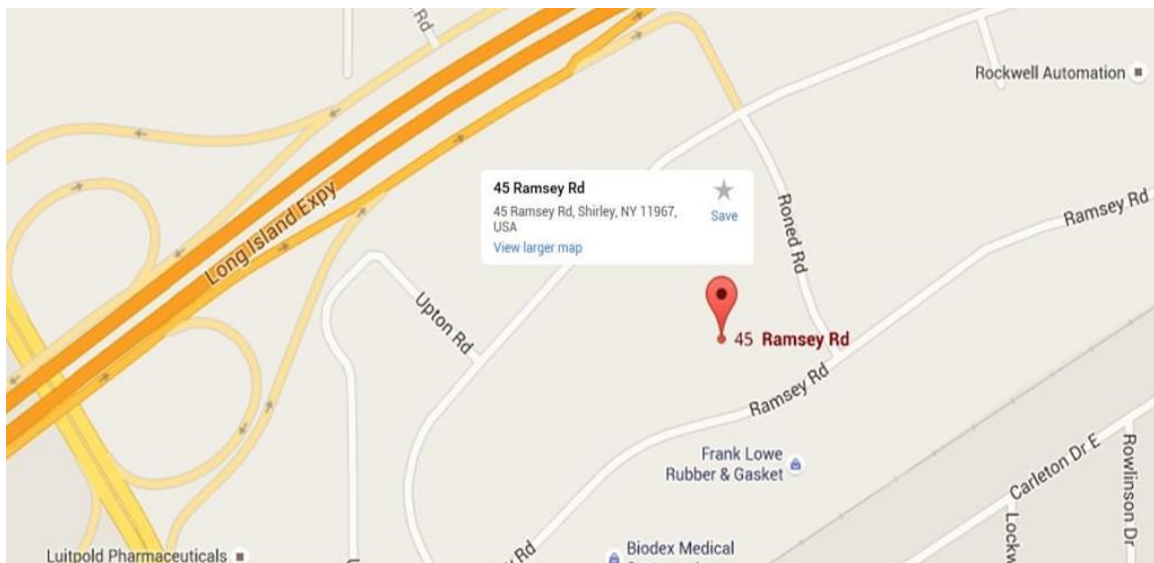


Anti-Ab ADCs

Cat. No	Product Name	Antibody	Linker	Payload
ADC-AA-001	anti-HlgG(Fc)-N-MMAF ADC	anti-human IgG Fc specific polyclonal IgG antibody	Noncleavable linkers	MMAF
ADC-AA-002	anti-HlgG(Fc)-C-MMAF ADC	anti-human IgG Fc specific polyclonal IgG antibody	Cleavable linkers	MMAF
ADC-AA-003	anti-HlgG(Fc)-C-MMAE ADC	anti-human IgG Fc specific polyclonal IgG antibody	Cleavable linkers	MMAE
ADC-AA-008	anti-HlgG(Fc)-N-DM1 ADC	anti-human IgG Fc specific polyclonal IgG antibody	Noncleavable linkers	DM1
ADC-AA-009	anti-HlgG(Fc)Fab-N-MMAF ADC	Fab fragment of anti-human IgG Fc specific polyclonal antibody	Noncleavable linkers	MMAF
ADC-AA-010	anti-HlgG(Fc)Fab-C-MMAF ADC	Fab fragment of anti-human IgG Fc specific polyclonal antibody	Cleavable linkers	MMAF
ADC-AA-011	anti-HlgG(Fc)Fab-C-MMAE ADC	Fab fragment of anti-human IgG Fc specific polyclonal antibody	Cleavable linkers	MMAE
ADC-AA-015	anti-HlgG(Fc)Fab-N-DM1 ADC	Fab fragment of anti-human IgG Fc specific polyclonal antibody	Noncleavable linkers	DM1
ADC-AA-017	anti-HlgG(Fab)-C-MMAE ADC	anti-human IgG Fab specific polyclonal IgG antibody	Cleavable linkers	MMAE
ADC-AA-018	anti-HlgG(Fab)-N-DM1 ADC	anti-human IgG Fab specific polyclonal IgG antibody	Noncleavable linkers	DM1
ADC-AA-019	anti-MlgG(Fc)-N-MMAF ADC	anti-mouse IgG Fc specific polyclonal IgG antibody	Noncleavable linkers	MMAF
ADC-AA-020	anti-MlgG(Fc)-C-MMAF ADC	anti-mouse IgG Fc specific polyclonal IgG antibody	Cleavable linkers	MMAF
ADC-AA-021	anti-MlgG(Fc)-C-MMAE ADC	anti-mouse IgG Fc specific polyclonal IgG antibody	Cleavable linkers	MMAE
ADC-AA-026	anti-MlgG(Fc)-N-DM1 ADC	anti-mouse IgG Fc specific polyclonal IgG antibody	Noncleavable linkers	DM1

Anti-Ab ADCs

Cat. No	Product Name	Antibody	Linker	Payload
ADC-AA-027	anti-MIgG (Fc)Fab-N-MMAF ADC	Fab fragment of anti-mouse IgG Fc specific polyclonal antibody	Noncleavable linkers	MMAF
ADC-AA-028	anti-MIgG (Fc)Fab-C-MMAF ADC	Fab fragment of anti-mouse IgG Fc specific polyclonal antibody	Cleavable linkers	MMAF
ADC-AA-029	anti-MIgG (Fc)Fab-C-MMAE ADC	Fab fragment of anti-mouse IgG Fc specific polyclonal antibody	Cleavable linkers	MMAE
ADC-AA-031	anti-MIgG (Fc)Fab-N-DM1 ADC	Fab fragment of anti-mouse IgG Fc specific polyclonal antibody	Noncleavable linkers	DM1
ADC-AA-056	Anti-MIgG (clone 187.1)-VC-MMAE ADC	Anti-mouse IgG Antibody, clone # q187.1	VC	MMAE
ADC-AA-057	Anti-MIgG (clone HB43)-VC-MMAE ADC	Anti-mouse IgG Antibody, clone # HB43	VC	MMAE
ADC-AA-048	Protein G-VC-MMAE ADC	Protein G	VC	MMAE
ADC-AA-049	Protein G-MMAF ADC	Protein G	None	MMAE
ADC-AA-050	Protein G-MCC-DM1 ADC	Protein G	MCC	DM1
ADC-AA-051	Protein G-Duocarmycin ADC	Protein G	None	Duocarmycins
ADC-AA-052	Protein A-VC-MMAE ADC	Protein A	VC	MMAE
ADC-AA-053	Protein A-MMAF ADC	Protein A	None	MMAF
ADC-AA-054	Protein A-MCC-DM1 ADC	Protein A	MCC	DM1
ADC-AA-055	Protein A-Duocarmycin ADC	Protein A	None	Duocarmycins



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COMPREHENSIVE ONE-STOP-SHOP FOR
ALL ASPECTS IN ADC RESEARCH AND
DEVELOPMENT

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