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Product Information

Recombinant Anti-Human kir3dl1 Antibody

Cat. No.: **MOM-18421**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody is specific to Human KIR3DL1, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

KIR3DL1 (NKB1, CD158e1) is expressed on a subset of natural killer cells and T cells. NKB1 is a 70 kD member of the immunoglobulin superfamily that is expressed at varying levels among individuals. NKB1 is a type I membrane protein containing two immunoglobulin C2 type domains. The interaction of NKB1 with specific HLA B antigens on a target cell (the HLA Bw4 allele, for example) inhibits cytotoxicity and prevents target cell lysis and death. The interactions between KIR and MHC class I are thought to be important in NK and T cell regulation following antigen stimulation. The absence of ligands for KIRs may lower the threshold for activation through activating receptors and increase inflammation and susceptibility to autoimmune disease.

Specific Activity

Tested positive against native antigen.

Target

KIR3DL1

Immunogen

Recombinant full length Human KIR3DL1.

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Applications

Suitable for use in Neut, ICC and most other immunological methods.

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

KIR3DL1 killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1 [Homo sapiens]

Official Symbol

KIR3DL1

Synonyms

KIR3DL1; killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1; KIR; killer cell immunoglobulin-like receptor 3DL1; AMB11; CD158e1; CD158e1/2; CD158e2; cl 2; cl 11; nkat3; NKB1; NKB1B; NKAT-3; NK-receptor; KIR antigen 3DL1; killer Ig receptor; p70 NK receptor CL-2/CL-11; MHC class I NK cell receptor; CD158 antigen-like family member E; p70 killer cell inhibitory receptor; natural killer-associated transcript 3; HLA-BW4-specific inhibitory NK cell receptor; p70 natural killer cell receptor clones CL-2/CL-11; NKAT3; CD158E1; KIR3DL1/S1; MGC119726; MGC119728; MGC126589; MGC126591

Gene ID

3811

mRNA Refseq

NM_013289

Protein Refseq

NP_037421

MIM

604946

UniProt ID

P43629

Chromosome Location

19q13.4

Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Graft-versus-host disease, organism-specific biosystem; Graft-versus-host disease, conserved biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem;

Function

HLA-B specific inhibitory MHC class I receptor activity; receptor activity;

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