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Product Information

Recombinant Anti-Human cd55 Antibody

Cat. No.: **MOM-18540**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody is specific to Human CD55, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

This protein recognizes C4b and C3b Fragment that condense with cell-surface hydroxyl or amino groups when nascent C4b and C3b are locally generated during C4 and c3 activation. Interaction of daf with cell-associated C4b and C3b polypeptides interferes with their ability to catalyze the conversion of C2 and factor B to enzymatically active C2a and Bb and thereby prevents the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade.

Specific Activity

Tested positive against native antigen.

Target

CD55

Immunogen

Tissue / cell preparation (Human).

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

>95.0% as determined by analysis by RP-HPLC.

Applications

Suitable for use in Neut, FuncS, IF, IHC 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

CD55 CD55 molecule, decay accelerating factor for complement (Cromer blood group) [Homo sapiens]

Official Symbol

CD55

Synonyms

CD55; CD55 molecule, decay accelerating factor for complement (Cromer blood group); DAF, decay accelerating factor for complement (CD55, Cromer blood group system); complement decay-accelerating factor; CR; CROM; TC; CD55 antigen; DAF;

Gene ID

1604

mRNA Refseq

NM_000574

Protein Refseq

NP_000565

MIM

125240

UniProt ID

P08174

Chromosome Location

1q32

Pathway

Class B/2 (Secretin family receptors), organism-specific biosystem; Complement Activation, Classical Pathway, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem;

Function

receptor activity;

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