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Product Information

Recombinant Anti-Human CD19 Antibody Fab Fragment

Cat. No.: **MOM-18174-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is directed against Human CD19, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

Specific Activity

Tested positive against native antigen.

Target

CD19

Immunogen

Mouse CD19-expressing K562 human erythroleukemia cells

Source

Mouse

Species Reactivity

Human

Type

Fab Fragment based on Mouse IgG1 - kappa

Expression Host

CHO

Purity

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

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

ANTIGEN GENE INFOMATION

Gene Name

CD19 CD19 molecule [Homo sapiens]

Official Symbol

CD19

Synonyms

CD19; CD19 molecule; CD19 antigen; B-lymphocyte antigen CD19; differentiation antigen CD19; T-cell surface antigen Leu-12; B-lymphocyte surface antigen B4; B4; CVID3; MGC12802;

Gene ID

930

mRNA Refseq

NM_001178098

Protein Refseq

NP_001171569

MIM

107265

UniProt ID

P15391

Chromosome Location

16p11.2

Pathway

Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem;

Function

receptor signaling protein activity;

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