

Product Information

Recombinant Anti-Human slamf7 Antibody Fab Fragment

Cat. No.: **MOM-18334-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human SLAMF7, expressed in E. coli

Antigen Description

SLAMF7 contains one Ig-like C2-type (immunoglobulin-like) domain. Isoform 1 mediates NK cell activation through a SAP-independent extracellular signal-regulated ERK-mediated pathway. It may play a role in lymphocyte adhesion. Isoform 3 does not mediate any activation. SAP can bind the cytoplasmic tail of isoform 1 when phosphorylated in the presence of Fyn (in vitro). SLAMF7 is expressed in spleen, lymph node, peripheral blood leukocytes, bone marrow, small intestine, stomach, appendix, lung and trachea. Expression was detected in NK cells, activated B-cells, NK-cell line but not in promyelocytic, B-, or T-cell lines. The isoform 3 is expressed at much lower level than isoform 1. There are three named isoforms.

Specific Activity

Tested positive against native antigen.

Target

SLAMF7

Immunogen

SLAMF7 extracellular domain fused with Human IgG1 constant regions.

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

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

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[SLAMF7 SLAM family member 7 \[Homo sapiens \]](#)

Official Symbol

SLAMF7

Synonyms

SLAMF7; SLAM family member 7; 19A; CD319; CRACC; CS1; protein 19A; CD2 subset 1; 19A24 protein; membrane protein FOAP-12; CD2-like receptor activating cytotoxic cells; CD2-like receptor-activating cytotoxic cells; novel LY9 (lymphocyte antigen 9) like protein

Gene ID

[57823](#)

mRNA Refseq

[NM_021181](#)

Protein Refseq

[NP_067004](#)

MIM

[606625](#)

UniProt ID

Q9NQ25

Chromosome Location

1q23.1-q24.1

Function

receptor activity;