

Product Information

Recombinant Anti-Human BSG Antibody Fab Fragment

Cat. No.: **MOM-18156-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 CD147, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). May target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes.

Specific Activity

Tested positive against native antigen.

Target

CD147

Immunogen

Protein A-CR purified soluble recombinant form of CD147, CD147Rg, which consists of the cDNA coding for the hinge region, CH2-and CH3 domain of human IgG1 (CD147Rg is secreted by transfectants as a dimer).

Source

Mouse

Species Reactivity

Human

Type

Fab Fragment based on Mouse IgM

Expression Host

CHO

Purity

>95.0% as determined by Analysis by RP-HPLC & 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. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[BSG basigin \(Ok blood group\) \[Homo sapiens \]](#)

Official Symbol

BSG

Synonyms

BSG; basigin (Ok blood group); basigin (OK blood group) , OK; basigin; CD147; EMMPRIN; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; tumor cell-derived collagenase stimulatory factor; M6; OK; 5F7; TCSF;

Gene ID

[682](#)

mRNA Refseq

[NM_001728](#)

Protein Refseq

[NP_001719](#)

MIM

[109480](#)

UniProt ID

P35613

Chromosome Location

19p13.3

Pathway

Basigin interactions, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem; Metabolism, organism-specific biosystem; Pyruvate metabolism, organism-specific biosystem;

Function

lactate transmembrane transporter activity; mannose binding; sugar binding;