

ARG43849 anti-Semaphorin 4D antibody [133-1C6] (FITC)

Package: 100 tests
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody recognizes Semaphorin 4D.
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	133-1C6
Isotype	IgM
Target Name	Semaphorin 4D
Species	Human
Immunogen	PHA stimulated human PBL
Conjugation	FITC
Alternate Names	SEMA4D; Semaphorin 4D; CD100; C9orf164; Coll-4; SEMAJ; Sema Domain, Immunoglobulin Domain (Ig), Transmembrane Domain (TM) And Short Cytoplasmic Domain, (Semaphorin) 4D; Semaphorin-4D; FLJ39737; BB18; GR3; A8; Sema Domain, Immunoglobulin Domain (Ig), Transmembrane Domain (TM) And Short Cytoplasmic Domain, 4D; Chromosome 9 Open Reading Frame 164; CD100 Antigen; M-Sema G; M-Sema-G; COLL4

Application Instructions

Application table	Application	Dilution
	FACS	4 µl / 10 ⁶ cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

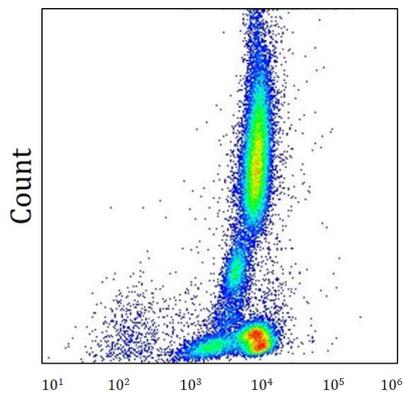
Properties

Form	Liquid
Purification	Protein-A affinity chromatography
Buffer	PBS (pH 8.0) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 4°C. Keep protected from prolonged exposure to light. Do not freeze. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	SEMA4D
Gene Full Name	Semaphorin 4D
Background	Enables identical protein binding activity; semaphorin receptor binding activity; and transmembrane signaling receptor activity. Involved in several processes, including positive regulation of phosphatidylinositol 3-kinase signaling; regulation of neuron projection development; and regulation of phosphate metabolic process. Is integral component of plasma membrane.
Function	Induces endothelial cell migration through the activation of PTK2B/PYK2, SRC, and the phosphatidylinositol 3-kinase-AKT pathway.
PTM	Disulfide bond, Glycoprotein, Phosphoprotein
Cellular Localization	Cell membrane

Images



ARG43849 anti-Semaphorin 4D antibody [133-1C6] (FITC) FACS image

Flow Cytometry: Human whole blood stained with ARG43849 anti-Semaphorin 4D antibody [133-1C6] (FITC) at 5 µg/ml.