Immunotag™ SEMA4D Antibody

Antibody Specification

Catalog No.	ITA7949
Product Description	Immunotag™ SEMA4D Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SEMA4D
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:1000-3000 IHC 1:200
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SEMA4D
Specificity	SEMA4D Antibody detects endogenous levels of total SEMA4D
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SEMA4D
Accession No.	Q92854
Alternate Names	A8; BB 18; BB18; CD 100; CD100; CD100 antigen; Coll 4; COLL4; Collapsin 4; Collapsin4; GR3; Leukocyte activation antigen CD100; M sema G; MSEMA; SEM4D_HUMAN; Sema 4d; Sema domain immunoglobulin domain Ig transmembrane domain TM and short cytoplasmic domain semaphorin 4D; Sema H; SEMA J; Sema4d; Semacl 2; Semacl2; SemaH; SEMAJ; Semaphorin 4D; Semaphorin C like 2; Semaphorin H; Semaphorin J; Semaphorin-4D; Semaphorin4D; SemaphorinJ; Semcl 2; Semcl2;

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Description	Cell surface receptor for PLXN1B and PLXNB2 that plays an important role in cell-cell signaling. Promotes reorganization of the actin cytoskeleton and plays a role in axonal growth cone guidance in the developing central nervous system. Regulates dendrite and axon branching and morphogenesis. Promotes the migration of cerebellar granule cells and of endothelial cells. Plays a role in the immune system; induces B-cells to aggregate and improves their viability (in vitro). Promotes signaling via SRC and PTK2B/PYK2, which then mediates activation of phosphatidylinositol 3-kinase and of the AKT1 signaling cascade. Interaction with PLXNB1 mediates activation of RHOA.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	96 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.