Human SEMA4D Antibody Pair Set

Catalog No. E-KAB-0445 **Applications** ELISA
Synonyms CD100;M-sema-G;SEMAJ;coll-4

Kit components & Storage

Title	Specifications	Storage
Human SEMA4D Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human SEMA4D Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0445)	
		Human SEMA4D Capture Antibody	Human SEMA4D Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human SEMA4D protien	Recombinant Human SEMA4D protien
	Swissprot	Q92854	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Protein A or G
	Specificity	Detects Human SEMA4D in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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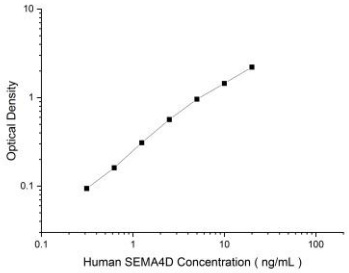
Applications

Human SEMA4D Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human SEMA4D Capture Antibody	
ELISA Detection	1:1000-1:10000	Human SEMA4D Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

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.

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