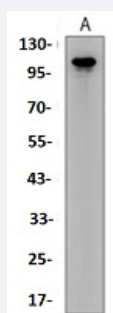


RecomAb™

SEMA4D recombinant monoclonal antibody

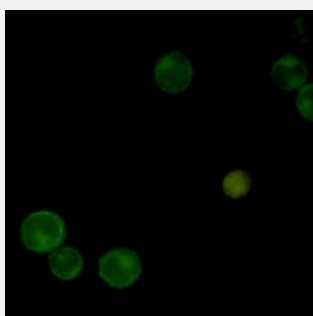
Catalog # RAB02539 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat (A) whole cell lysates with SEMA4D recombinant monoclonal antibody (Cat # RAB02539).



Immunofluorescence

Immunofluorescent analysis of Jurkat cells with SEMA4D recombinant monoclonal antibody (Cat # RAB02539). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SEMA4D.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human SEMA4D.
Theoretical MW (kDa)	120
Reactivity	Human

Specificity	Recognizes endogenous levels of CD100 protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Jurkat (A) whole cell lysates with SEMA4D recombinant monoclonal antibody (Cat # RAB02539).

- Immunocytochemistry

- Immunofluorescence

Immunofluorescent analysis of Jurkat cells with SEMA4D recombinant monoclonal antibody (Cat # RAB02539). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Gene Info — SEMA4D

Entrez GeneID	10507
Protein Accession#	Q92854
Gene Name	SEMA4D

Gene Alias	C9orf164, CD100, FLJ33485, FLJ34282, FLJ39737, FLJ46484, M-sema-G, MGC169138, MGC169141, SEMAJ, coll-4
Gene Description	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
Omim ID	601866
Gene Ontology	Hyperlink
Gene Summary	sema domain
Other Designations	OTTHUMP00000021622 OTTHUMP00000070035 sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D semaphorin 4D

Pathway

- [Axon guidance](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)