

Anti-CD171/L1CAM Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 138 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Antigen: NCAM-L1/CD171 Antibody Blocking Peptide, 0.2 µg/100 µl Primary: Antiserum, 1:500, 1:1000, 1: 2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450 nm.
	2. Antigen: NCAM-L1/CD171 Antibody Blocking Peptide, 0.2 µg/100 µl Primary: Antiserum, 1:500, 1:1000, 1: 2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450 nm.
	3. Blank control (blue): U937 (fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-CD171 antibody (TMAB-03879), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA. Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions). Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1: 200 in 1 X PBS containing 0.5% BSA.
Application:	FCM,ELISA
Recommended	FCM: 1µg/Test; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CD171
Antigen Species:	Human
Gene ID:	3897
Uniprot ID:	P32004

Research Background

L1cam (L1 cell adhesion molecule isoform 1 precursor) is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration and differentiation.

A DRUG SCREENING EXPERT

Mutations in the gene cause three X-linked neurological syndromes known by the acronym CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of a neuron-specific exon is thought to be functionally relevant. [provided by RefSeq].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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