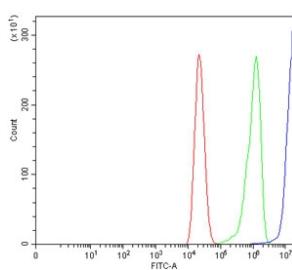


## CD171 Antibody / L1CAM / NCAM-L1 (RQ7089)

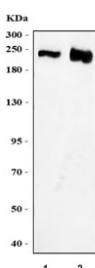
Catalog No.	Formulation	Size
RQ7089	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P32004
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This CD171 antibody is available for research use only.



Flow cytometry testing of human Caco-2 cells with CD171 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CD171 antibody.



Western blot testing of 1) human HeLa and 2) rat brain tissue lysate with CD171 antibody. Expected molecular weight of glycosylated protein is 200-240 kDa.

## Description

L1, also known as L1CAM, is a transmembrane protein member of the L1 protein family, encoded by the L1CAM gene. The protein encoded by this gene 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. Mutations in the gene cause X-linked neurological syndromes known as CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of this gene results in multiple transcript variants, some of which include an alternate exon that is considered to be specific to neurons.

## Application Notes

Optimal dilution of the CD171 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids E223-Q1218) was used as the immunogen for the CD171 antibody.

## Storage

After reconstitution, the CD171 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.