# antibodies -online.com







# anti-L1CAM antibody (AA 20-1120)





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Quantity:	100 μg
Target:	L1CAM
Binding Specificity:	AA 20-1120
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This L1CAM antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA

### **Product Details**

Immunogen:	Recombinant human CD171(Ile20-Glu1120) (ABIN6964088) produced by using human HEK293 cells
Clone:	DM155
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

## **Target Details**

Target:	L1CAM
Alternative Name:	CD171 (L1CAM Products)
Background:	Synonyms:CAML1, CD171, HSAS, HSAS1, MASA, MIC5, N-CAM-L1, N-CAML1, NCAM-L1, S10,

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Description: 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.

Molecular Weight:

140KDa

Pathways:

Synaptic Membrane

#### **Application Details**

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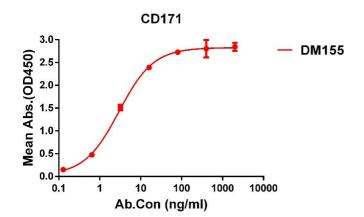
ELISA 1/5000-10000, Flow Cyt 1/100

Restrictions:

For Research Use only

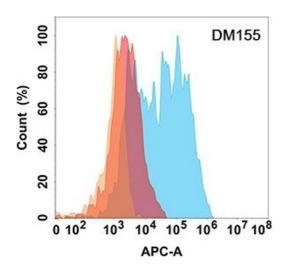
#### Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally $5\%$ - $8\%$ trehalose is added as protectants before lyophilization.,0.1 $\%$ Procline 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



#### **ELISA**

**Image 1.** ELISA plate pre-coated by 1  $\mu$ g/mL (100  $\mu$ L/well) Human CD171 protein, His tagged protein ((ABIN6964088, ABIN7042431 and ABIN7042432)) can bind Rabbit anti-CD171 monoclonal antibody(clone: DM155) in a linear range of 1-100 ng/mL.



#### **Flow Cytometry**

**Image 2.** CD171 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-CD171 (DM155) on Expi293 cells transfected with human CD171 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).