Datasheet for ABIN7092955
anti-L1CAM antibody (AA 20-1120)
2 Images


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## Overview

| Quantity: | $100 \mu \mathrm{~g}$ |
| :--- | :--- |
| Target: | L1CAM |
| Binding Specificity: | AA 20-1120 |
| Reactivity: | Human |
| Host: | Mabbit |
| Clonality: | This L1CAM antibody is un-conjugated |
| Conjugate: | 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:
Alternative Name:

Background:

L1CAM

CD171 (L1CAM Products)

Synonyms:CAML1, CD171, HSAS, HSAS1, MASA, MIC5, N-CAM-L1, N-CAML1, NCAM-L1, S10,

|  | SPG1 |
| :---: | :---: |
|  | 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: | 140 KDa |
| Pathways: | Synaptic Membrane |
| Application Details |  |
| Application Notes: | 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 Iyophilization., 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: | $-20^{\circ} \mathrm{C},-80^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $-20^{\circ} \mathrm{C}$ to $-80^{\circ} \mathrm{C}$ for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at $-80^{\circ} \mathrm{C}$ (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Expiry Date: | 12 months |



## ELISA

Image 1. ELISA plate pre-coated by $1 \mu \mathrm{~g} / \mathrm{mL}(100 \mu \mathrm{~L} /$ well $)$ Human CD171 protein, His tagged protein ((ABIN6964088, ABIN7042431 and ABIN7042432)) can bind Rabbit antiCD171 monoclonal antibody(clone: DM155) in a linear range of $1-100 \mathrm{ng} / \mathrm{mL}$.


## 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).

