

## CD171/L1CAM Rabbit pAb

Catalog Number: bs-1996R

Target Protein: CD171/L1CAM

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (1µg /test), ELISA (1:5000-10000)

Reactivity: Human (predicted:Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)

Predicted MW: 138 kDa

Entrez Gene: 3897

Swiss Prot: P32004

Source: KLH conjugated synthetic peptide derived from human CD171: 1101-1257/1257.

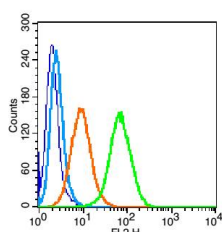
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

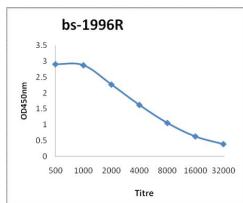
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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. 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].

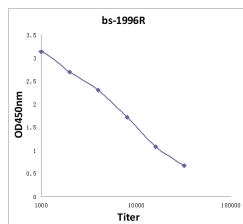
### VALIDATION IMAGES



Blank control(blue): U937(fixed with 2% paraformaldehyde (10 min)). Primary Antibody:Rabbit Anti-CD171 antibody(bs-1996R), Dilution: 1µg 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.



Antigen: bs-1996P, 0.2ug/100ul Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bs-0295G-HRP) at 1: 5000; TMB(C-0024) staining; Read the data in MicroplateReader by 450nm.



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## PRODUCT SPECIFIC PUBLICATIONS

**[IF=12.7]** Lu Weicheng, et al. Interorgan communication in neurogenic heterotopic ossification: the role of brain-derived extracellular vesicles. BONE RES. 2024 Feb;12(1):1-16 IHC,WB ; Rat . 38383487