bs-1996R **[Primary Antibody]**

CD171/L1CAM Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3897 **SWISS:** P32004

Target: CD171/L1CAM

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

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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].

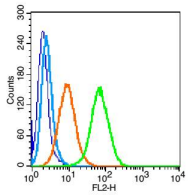
Applications: **Flow-Cyt** (1µg /test)
ELISA (1:5000-10000)

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

Predicted MW.: 138 kDa

Subcellular Location: Cell membrane

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.

SELECTED CITATIONS

- **[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