

For Research Use Only

# Anti-Human L1CAM/CD171 Rabbit Recombinant Antibody

Catalog Number: 98130-1-RR



## Basic Information

<b>Catalog Number:</b> 98130-1-RR	<b>GenBank Accession Number:</b> BC126229	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 1000 µg/ml	<b>GeneID (NCBI):</b> 3897	<b>CloneNo.:</b> 240978A7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P32004	
<b>Isotype:</b> IgG	<b>Full Name:</b> L1 cell adhesion molecule	
	<b>Calculated MW:</b> 1257 aa, 140 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human

## Background Information

L1CAM, also known as NCAM-L1 or CD171, is a cell adhesion molecule of the immunoglobulin superfamily. It is a 200-220 kDa transmembrane glycoprotein composed of six Ig-like domains and five fibronectin type III repeats followed by a transmembrane region and a highly conserved cytoplasmic tail (PMID: 3412448; 22796939). L1CAM is primarily expressed in the nervous system and is involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, cerebellar granule cell migration, neurite outgrowth on Schwann cells and interactions among epithelial cells of intestinal crypts (PMID: 3412448; 10767310). L1CAM is overexpressed in many human cancers and is often associated with bad prognosis (PMID: 27267927; 26111503). It has been reported that L1CAM can be proteolytically cleaved into a soluble fragment of 140 kDa and an intracellular fragment of 80-85 kDa (PMID: 30842511; 34380733). This antibody raised against 1206-1221aa of human L1CAM detects 200-220 kDa full-length L1CAM and 80-kDa cleaved fragment of L1CAM.

## Storage

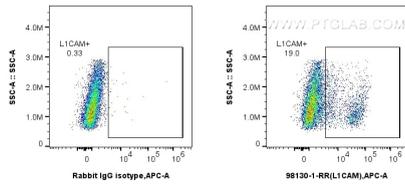
**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

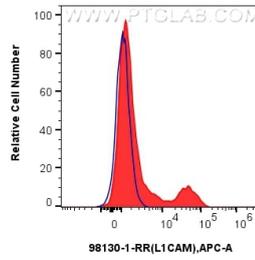
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1x10<sup>6</sup> SK-N-SH cells were surface stained with 0.25 ug Anti-Human L1CAM/CD171 Rabbit Recombinant Antibody (98130-1-RR, Clone:240978A7) or 0.25 ug Isotype Control, and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were not fixed.



1x10<sup>6</sup> SK-N-SH cells were surface stained with 0.25 ug Anti-Human L1CAM/CD171 Rabbit Recombinant Antibody (98130-1-RR, Clone: 240978A7) (red) or Isotype Control (blue), and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were not fixed.