

# Product Datasheet

## **L1CAM Antibody (UJ127) [Allophycocyanin] NBP2-34505APC-100ul**

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP2-34505APC-100ul**

L1CAM Antibody (UJ127) [Allophycocyanin]

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	UJ127
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Allophycocyanin
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS

**Product Description**

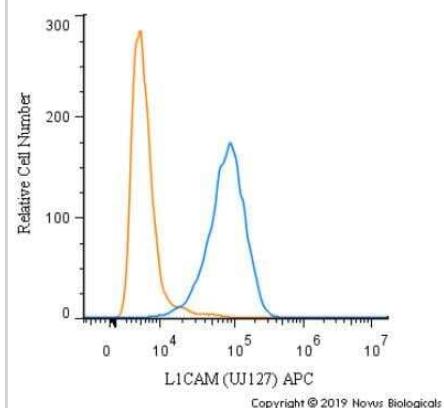
<b>Host</b>	Mouse
<b>Gene ID</b>	3897
<b>Gene Symbol</b>	L1CAM
<b>Species</b>	Human
<b>Marker</b>	Axonal Marker
<b>Specificity/Sensitivity</b>	Recognizes a cell surface protein of 220-240kDa, identified as L1 cell adhesion molecule. The L1CAM gene, which is located in Xq28, is involved in three distinct conditions: 1) HSAS (hydrocephalus-stenosis of the aqueduct of Sylvius); 2) MASA (mental retardation, aphasia, shuffling gait, and adducted thumbs); and 3) SPG1 (spastic paraplegia). The L1, neural cell adhesion molecule (L1CAM) also plays an important role in axon growth, fasciculation, and neural migration as well as in mediating neuronal differentiation. Expression of L1 protein is restricted to tissues arising from neuroectoderm. This monoclonal antibody is useful in the identification of primitive neuroectodermal tumors. It binds to tumors of neuroectodermal and glial origin e.g. neuroblastoma and Schwannomas. It does not bind to pediatric or adult brain.
<b>Immunogen</b>	Homogenous suspension of 16-week human fetal brain
<b>Notes</b>	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

**Product Application Details**

<b>Applications</b>	ELISA, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Flow (Intracellular), CyTOF-ready

## Images

Flow Cytometry: L1CAM Antibody (UJ127) [Allophycocyanin] [NBP2-34505APC] - An intracellular stain was performed on HeLa cells with L1CAM Antibody [UJ127] NBP2-34505APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Allophycocyanin.



## Publications

Ganesh K, Basnet H, Kaygusuz Y et al. L1CAM defines the regenerative origin of metastasis-initiating cells in colorectal cancer Nat Cancer 2020-07-14 [PMID: 32656539]



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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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