

Mouse anti-Human L1CAM Monoclonal Antibody | anti-L1CAM antibody

Anti-L1CAM Antibody (APC), Mouse Monoclonal

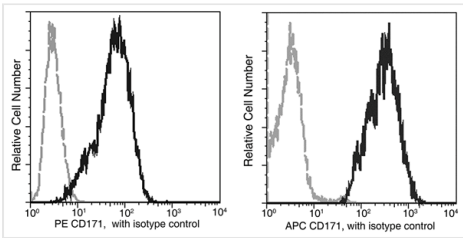
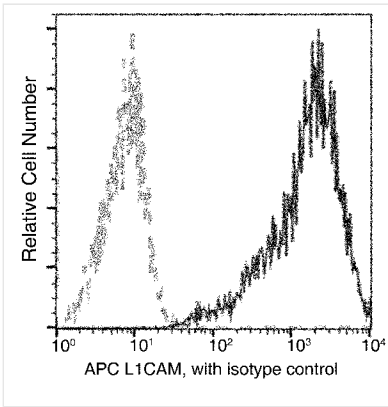
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254551	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

L1CAM; Monoclonal Antibody; Anti-L1CAM Antibody (APC); Mouse Monoclonal; CD171/N-CAML1/L1CAM Antibody (APC); Mouse MAb; L1 cell adhesion molecule; Anti-CAML1 Antibody; Anti-CD171 Antibody; Anti-HSAS Antibody; Anti-HSAS1 Antibody; Anti-MASA Antibody; Anti-MIC5 Antibody; Anti-N-CAM-L1 Antibody; Anti-N-CAML1 Antibody; Anti-NCAM-L1 Antibody; Anti-S10 Antibody; Anti-SPG1 Antibody; anti-L1CAM antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	03
Specificity	Human CD171/N-CAML1/L1CAM
Purity/Purification	Protein A
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Concentration	5ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-L1CAM antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human CD171/N-CAML1/L1CAM protein
Conjugation	APC
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD171/N-CAML1/L1CAM (rh CD171/N-CAML1/L1CAM) and conjugated with APC under optimum conditions, the unreacted APC was removed.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human CD171 expression in HeLa cells.

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human L1CAM expression on HeLa cells. Cells were stained with APC-conjugated anti-Human L1CAM. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

Related Product Information for anti-L1CAM antibody	L1 cell adhesion molecule (L1CAM), also designated as CD171, is a cell adhesion receptor of the immunoglobulin superfamily, known for its roles in nerve cell function. While originally believed to be present only in brain cells, in recent years L1-CAM has been detected in other tissues, and a variety of cancer cells, including some common types of human cancer. L1CAM interacts with a variety of ligands including axonin-1, CD9, neurocan, and integrins, and it has been revealed that the RGD motif in the sixth Ig domain of L1CAM is a binding site for integrins, thus important for nuclear signaling. Disruption of L1CAM function causes three X-linked neurological syndromes, i.e. hydrocephalus, MASA syndrome (mental retardation, aphasia, shuffling gait, and adducted thumbs), and spastic paraplegia syndrome. Overexpression of L1CAM in normal and cancer cells increased motility, enhanced growth rate, and promoted cell transformation and tumorigenicity. Recent work has identified L1CAM (CD171) as a novel marker for human carcinoma progression, and a candidate for anti-cancer therapy.
References	Meier F, et al. (2006) The adhesion molecule L1 (CD171) promotes melanoma progression. <i>Int J Cancer</i> . 119(3): 549-55. Gavert N, et al. (2008) L1-CAM in cancerous tissues. <i>Expert Opin Biol Ther</i> . 8(11): 1749-57. Issa Y, et al. (2009) Enhanced L1CAM expression on pancreatic tumor endothelium mediates selective tumor cell transmigration. <i>J Mol Med</i> . 87(1): 99-112. Weidle UH, et al. (2009) L1-CAM as a target for treatment of cancer with monoclonal antibodies. <i>Anticancer Res</i> . 29(12): 4919-31. Raveh S, et al. (2009) L1 cell adhesion molecule (L1CAM) in invasive tumors. <i>Cancer Lett</i> . 282(2): 137-45. Wolterink S, et al. (2010) Therapeutic antibodies to human L1CAM: functional characterization and application in a mouse model for ovarian carcinoma. <i>Cancer Res</i> . 70(6): 2504-15.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557707
NCBI GeneID	3897
NCBI Accession #	NP_000416.1
NCBI GenBank Nucleotide #	NM_000425.4
UniProt Accession #	P32004; Q8TA87; A0AV65; A4ZYW4; B2RMU7; G3XAF4
Molecular Weight	140,003 Da
NCBI Official Full Name	neural cell adhesion molecule L1 isoform 1
NCBI Official Synonym Full Names	L1 cell adhesion molecule
NCBI Official Symbol	L1CAM
NCBI Official Synonym Symbols	S10; HSAS; MASA; MIC5; SPG1; CAML1; CD171; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1
NCBI Protein Information	neural cell adhesion molecule L1; antigen identified by monoclonal antibody R1

UniProt Protein Name	Neural cell adhesion molecule L1
UniProt Gene Name	L1CAM
UniProt Synonym Gene Names	CAML1; MIC5; N-CAM-L1; NCAM-L1
UniProt Entry Name	L1CAM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/l1cam-antibody-clone-03-flow-cytometry-elisa/254551>