

anti-Human CLEC2 Antibody | anti-CLEC2 antibody

Anti-Hu CLEC2 APC

CATALOG # AAA129219	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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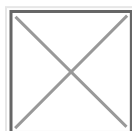
PRODUCT SYNONYMS

CLEC2; Anti-Hu CLEC2 APC; C-type lectin domain family 1 member B; CLEC1B; CLEC2B; PRO1384; QDED721; anti-CLEC2 antibody

PRODUCT SPECIFICATIONS

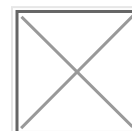
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	AYP1
Specificity	The mouse monoclonal antibody AYP1 recognizes an epitope within the extracellular part of CLEC2, a transmembrane glycoprotein expressed on activated platelets and on platelet microparticles.
Form/Format	APC Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 m
Applicable Applications for anti-CLEC2 antibody	FCM/FACS (Flow Cytometry)
Immunogen	A recombinant extracellular domain of human CLEC2 (amino acids 68-229)
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Separation of human CD45 negative CLEC2 positive platelets (red-filled) from CLEC2 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CLEC2 (AYP1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CLEC2 (AYP1) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CLEC2 antibody	CLEC2 (C-type lectin-like receptor 2) functions as a platelet receptor for the lymphatic endothelial marker, PDPN, and mediates platelet activation. Besides platelets, it can be found on myeloid cells and NK cells. CLEC2 functions also as an attachment factor for HIV-1 and facilitates its capture by platelets. Platelet-aggregating snake venom protein rhodocytin also binds to CLEC2.
References	*Gitz E, Pollitt AY, Gitz-Francois JJ, Alshehri O, Mori J, Montague S, Nash GB, Douglas MR, Gardiner EE, Andrews RK, Buckley CD, Harrison P, Watson SP: CLEC-2 expression is maintained on activated platelets and on platelet microparticles. Blood 2014 Oct 2;124(14):2262-70, URL: https://pubmed.ncbi.nlm.nih.gov/25150298/ ; *Sung PS, Huang TF, Hsieh SL: Extracellular vesicles from CLEC2-activated platelets enhance dengue virus-induced lethality via CLEC5A/TLR2. Nat Commun. 2019 Jun 3;10(1):2402, URL: https://pubmed.ncbi.nlm.nih.gov/31160588/ ,

NCBI AND UNIPROT INFORMATION

NCBI GI #	153252048
NCBI GeneID	51266
NCBI Accession #	NP_001092901.1
NCBI GenBank Nucleotide #	NM_001099431.1
UniProt Accession #	Q9P126; Q6UWX7; Q8NHR6
Molecular Weight	23,096 Da
NCBI Official Full Name	C-type lectin domain family 1 member B isoform b
NCBI Official Synonym Full Names	C-type lectin domain family 1 member B
NCBI Official Symbol	CLEC1B
NCBI Official Synonym Symbols	CLEC2; CLEC2B; PRO1384; QDED721; 1810061I13Rik
NCBI Protein Information	C-type lectin domain family 1 member B
UniProt Protein Name	C-type lectin domain family 1 member B
UniProt Gene Name	CLEC1B
UniProt Synonym Gene Names	CLEC2; CLEC-2
UniProt Entry Name	CLC1B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-antibody/clec2/129219>