

CD272 Antibody | anti-CD272 antibody

Anti-Hu CD272 PE

CATALOG # AAA129275	REACTIVITY Human, Non-human primates	APPLICATIONS Flow Cytometry, Functional Assay
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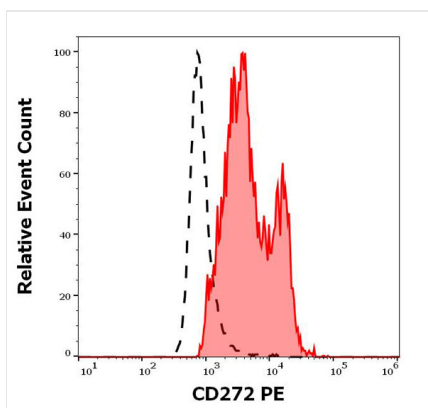
PRODUCT SYNONYMS

CD272; Anti-Hu CD272 PE; B and T lymphocyte associated; BTLA1; anti-CD272 antibody

PRODUCT SPECIFICATIONS

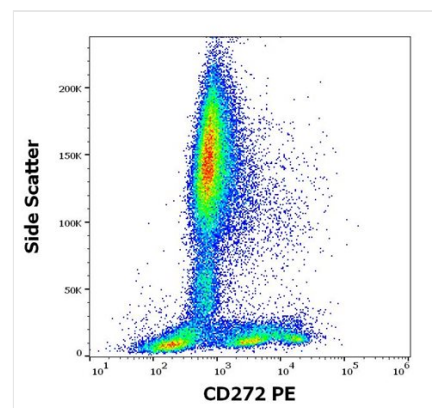
Reactivity	Human, Non-human primates
Isotype	Mouse IgG2a kappa
Clone Number	MIH26
Specificity	The mouse monoclonal antibody MIH26 recognizes an extracellular epitope of CD272, a transmembrane glycoprotein serving as a negative regulator of the activation in various leukocyte types.
Form/Format	PE Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-CD272 antibody	FCM/FACS (Flow Cytometry)
Immunogen	cells transfected with human CD272
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 CD272 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD272 (MIH26) PE antibody (10 ?l reagent / 100 ?l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD272 (MIH26) PE antibody (10 ?l reagent / 100 ?l of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD272 antibody	CD272, a type I transmembrane glycoprotein, contains in its intracellular domain two ITIM sequences, which are upon CD272 triggering phosphorylated and re cell activation. CD272 is expressed on B and T lymphocytes, NK cells, dendritic cells, and macrophages, and its ligand is CD270. Defects in CD272-CD270 in diseases. Overexpression of CD272 is a marker of tolerant T cells.
References	*Ramsay AG, Clear AJ, Fatah R, Gribben JG: Multiple inhibitory ligands induce impaired T-cell immunologic synapse function in chronic lymphocytic leukemia establishing a reversible immune evasion mechanism in human cancer. Blood. 2012 Aug 16;120(7):1412-21., URL: https://pubmed.ncbi.nlm.nih.gov/22547582/?from_term=ramsay+ag+clear+aj&from_pos=4,*Zhang Z, Xu X, Lu J, Zhang S, Gu L, Fu J, Jin L, Li H, Zhao M, Zh and T lymphocyte attenuator down-regulation by HIV-1 depends on type I interferon and contributes to T-cell hyperactivation. J Infect Dis. 2011 Jun 1;203(11) https://pubmed.ncbi.nlm.nih.gov/21592997/?from_term=zhang+z+xu+x+gu+l+jin+l&from_pos=2,*Šedý JR, Balmert MO, Ware BC, Smith W, N?m?ovi?ová I, N CF: A herpesvirus entry mediator mutein with selective agonist action for the inhibitory receptor B and T lymphocyte attenuator. J Biol Chem. 2017 Dec 22;292 https://pubmed.ncbi.nlm.nih.gov/29061848/?from_single_result=%C5%A1ed%C3%BD+jr+balmert+mo+ware+bc&expanded_search_query=%C5%A1ed%C3 F, Saresella M, Marventano I, La Rosa F, Zoppis M, Agostini S, Longhi R, Caputo D, Mendozzi L, Rovaris M, Clerici M: B lymphocytes in multiple sclerosis: Br CD19+ lymphocytes modulate disease severity. Sci Rep. 2016 Jul 14;6:29699. doi: 10.1038/srep29699., URL: https://pubmed.ncbi.nlm.nih.gov/27412504/,*Ca Mamczarz K, Sakoda Y, Diaz-Mendez F, Tamada K, Gartenhaus RB, Mann DL, Pauza CD: Vgamma2Vdelta2 T cell costimulation increases NK cell killing of r Immunology. 2014 Sep 16;144(3):422-430., URL: https://pubmed.ncbi.nlm.nih.gov/25227493/?from_single_result=cairo+c+surendran+n&expanded_search_q

NCBI AND UNIPROT INFORMATION

NCBI GI #	145580619
NCBI GeneID	151888
NCBI Accession #	NP_001078826.1
NCBI GenBank Nucleotide #	NM_001085357.1
UniProt Accession #	Q7Z6A9; Q3B831; Q3HS85; Q6ZNH9
Molecular Weight	32,834 Da
NCBI Official Full Name	B- and T-lymphocyte attenuator isoform 2
NCBI Official Synonym Full Names	B and T lymphocyte associated
NCBI Official Symbol	BTLA
NCBI Official Synonym Symbols	BTLA1; CD272
NCBI Protein Information	B- and T-lymphocyte attenuator; B and T lymphocyte attenuator; B- and T-lymphocyte-associated protein
UniProt Protein Name	B- and T-lymphocyte attenuator
UniProt Gene Name	BTLA
UniProt Entry Name	BTLA_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.