

anti-Human CD173 Antibody | anti-CD173 antibody

Anti-Hu CD173 PE

CATALOG # AAA129290	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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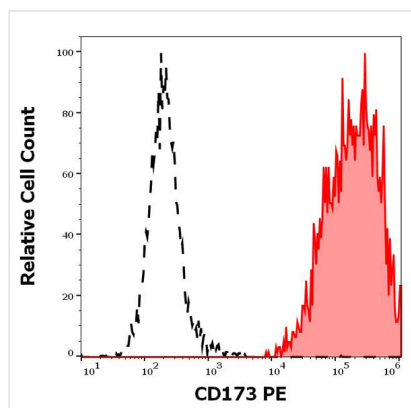
PRODUCT SYNONYMS

CD173; Anti-Hu CD173 PE; Lewis Y; blood group H2 antigen; LeY; anti-CD173 antibody

PRODUCT SPECIFICATIONS

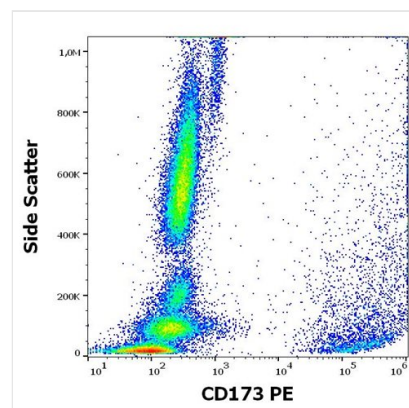
Reactivity	Human
Isotype	Mouse IgM
Clone Number	MEM-195
Specificity	The antibody MEM-195 reacts with CD173 (H2), an extracellular saccharide antigen expressed mainly during early hematopoiesis; it is also expressed on endothelial cells.
Form/Format	PE Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Applicable Applications for anti-CD173 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human thrombocytes
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 CD173 positive blood debris (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD173 (MEM-195) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD173 (MEM-195) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD173 antibody	CD173 (blood group antigen H2) is a fucosylated saccharide (Fuc-alpha-1-2-Gal-beta-1-4-GlcNAc-beta) generated by beta-D-galactoside 2-alpha-L-fucosyltransferase (FUT1). CD173 belongs to markers of early hematopoiesis; it is expressed mainly on CD34-positive hematopoietic progenitor cells. CD173 is a precursor structure of CD174 (Lewis Y) and is also structurally related to CD15 (Lewis X). On endothelial cells CD173 and CD174 are concentrated on pseudopodial extensions responsible for initial contacts between endothelial cells.
References	*Moehler TM, Sauer S, Witzel M, Andrulis M, Garcia-Vallejo JJ, Grobholz R, Willhauck-Fleckenstein M, Greiner A, Goldschmidt H, Schwartz-Albiez R: Involvement of alpha 1-2-fucosyltransferase I (FUT1) and surface-expressed Lewis(y)(CD174) in first endothelial cell-cell contacts during angiogenesis. J Cell Physiol. 2008 Apr;215(1):27-36., URL: https://www.ncbi.nlm.nih.gov/pubmed/18205178?itool ,*Cao Y, Merling A, Karsten U, Schwartz-Albiez R: The fucosylated histo-blood group antigens H type 2 (blood group O, CD173) and Lewis Y (CD174) are expressed on CD34+ hematopoietic progenitors but absent on mature lymphocytes. Glycobiology. 2001 Aug;11(8):677-83., URL: https://www.ncbi.nlm.nih.gov/pubmed/11479278?itool ,

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/human-antibody/cd173/129290>