

Mouse anti-Human CD15 Monoclonal Antibody | anti-CD15 antibody

Anti-Hu CD15 PE

CATALOG # AAA128879	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD15; Monoclonal Antibody; Anti-Hu CD15 PE; fucosyltransferase 4; Lewis x Blood Group antigen; Le(x); SSEA-1; 3-fucosyl-N-acetyllactosamine; anti-CD15 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM kappa
Clone Number	MMA
Specificity	The mouse monoclonal antibody MMA reacts with an extracellular epitope of CD15, a cell membrane molecule 3-fucosyl-N-acetyllactosamine (3-FAL) strongly expressed on granulocytes, monocytes, macrophages, mast cells; it is also present on Langerhans cells and some myeloid precursors cells. This antibody is a superior reagent for identifying of Hodgkin's lymphoma.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	530
Applicable Applications for anti-CD15 antibody	FCM/FACS (Flow Cytometry)
Immunogen	U937 histiocytic lymphoma cells
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD15 antibody	CD15 (Lewis X, Le(x); stage specific embryonic antigen-1, SSEA-1) is a trisaccharide determinant (3-fucosyl-N-acetyllactosamine) expressed on several glycolipids, glycoproteins and proteoglycans of various cell types, e.g. granulocytes, mast cells, monocytes, macrophages, cells of gastric mucosa, nervous system or various tumour cells. There are several variants of Lewis x, such as sialyl-Lewis x or sulphated Lewis x. Cells with high surface expression of Le(x) antigen exhibit strong self-aggregation, based on calcium-dependent Le(x)-Le(x) interaction. This process is involved for example in embryo compaction or in autoaggregation of teratocarcinoma cells. Sialyl-Le(x) and its isomer sialyl-Le(a) are ligands of selectins. CD15 expression has been extensively used to confirm identification of Hodgkin's disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503811
NCBI GeneID	2526

NCBI Accession #	NP_002024.1
NCBI GenBank Nucleotide #	NP_002024.1
UniProt Accession #	P22083
NCBI Official Full Name	alpha-(1,3)-fucosyltransferase 4
NCBI Official Synonym Full Names	fucosyltransferase 4
NCBI Official Symbol	FUT4
NCBI Official Synonym Symbols	LeX; CD15; ELFT; FCT3A; FUTIV; SSEA-1; FUC-TIV
NCBI Protein Information	alpha-(1,3)-fucosyltransferase 4
UniProt Protein Name	Alpha-(1,3)-fucosyltransferase 4
UniProt Gene Name	FUT4
UniProt Synonym Gene Names	ELFT; FCT3A; Fuc-TIV; FucT-IV

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://www.aaabiotech.com/monoclonal/cd15-antibody-clone-mma-flow-cytometry-elisa/128879>