

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

Anti-Hu CD15 FITC

CATALOG # AAA129147	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD15; Monoclonal Antibody; Anti-Hu CD15 FITC; 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	Mouse IgG1 kappa
Clone Number	W6D3
Specificity	Mouse monoclonal antibody W6D3 recognizes an extracellular epitope of CD15, a cell membrane 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 is a non-IgM anti-CD15 antibody.
Purity/Purification	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide
Applicable Applications for anti-CD15 antibody	FCM/FACS (Flow Cytometry)
Conjugation	FITC
Immunogen	WERI-RB-1 retinoblastoma cell line
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

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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References

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*Benharroch D, Dima E, Levy A, Ohana-Malka O, Ariad S, Prinsloo I, Mejirovsky E, Sacks M, Gopas J: Differential expression of sialyl and non-sialyl-CD15 antigens on Hodgkin-Reed-Sternberg cells: significance in Hodgkin's disease. *Leuk Lymphoma*. 2000 Sep;39(1-2):185-94., URL: <https://www.ncbi.nlm.nih.gov/pubmedDb=pubmed&Cmd=>,*Hakomori S: Le(X) and related structures as adhesion molecules. *Histochem J*. 1992 Nov;24(11):771-6., URL: <https://www.ncbi.nlm.nih.gov/pubmedDb=pubmed&Cmd=>,*Li C, Wong P, Pan T, Xiao F, Yin S, Chang B, Kang SC, Ironside J, Sy MS: Normal cellular prion protein is a ligand of selectins: binding requires Le(X) but is inhibited by sLe(X). *Biochem J*. 2007 Sep 1;406(2):333-41., URL: <https://www.ncbi.nlm.nih.gov/pubmedDb=pubmed&Cmd=>

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd15-antibody-clone-w6d3-flow-cytometry-elisa/129147>