

Mouse anti-Human CD15/FUT4 Monoclonal Antibody | anti-FUT4 antibody

CD15/FUT4 (Reed-Sternberg Cell Marker)

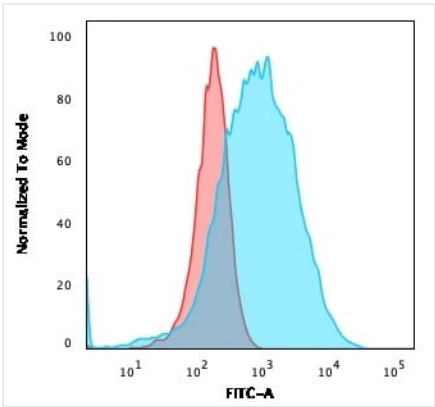
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214982	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

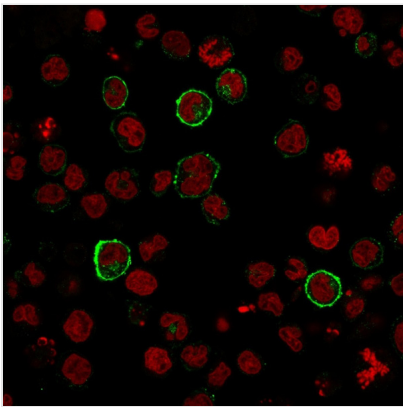
CD15/FUT4; Monoclonal Antibody; CD15/FUT4 (Reed-Sternberg Cell Marker); 3 Fucosyl N Acetyl Lactosamine; Alpha (1;3) Fucosyltransferase; Alpha 13 fucosyltransferase FucT; ELAM Ligand Fucosyltransferase; ELFT; FCT3A; Fuc-TIV; Fucosyltransferase 4 Alpha 1 3 Fucosyltransferase Myeloid Specific; Fucosyltransferase 4; Galactoside 3 L Fucosyltransferase; Lewis X; LeX; SSEA1; Stage Specific Embryonic Antigen 1; anti-FUT4 antibody

PRODUCT SPECIFICATIONS

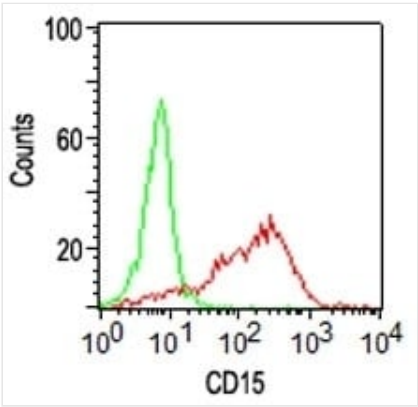
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM, kappa
Clone Number	SPM119
Specificity	CD15 plays a role in mediating phagocytosis, bactericidal activity, and chemotaxis. It is present on 95% of granulocytes including neutrophils and eosinophils and to a lesser degree on monocytes. In addition, CD15 is expressed in Reed-Sternberg cells and some epithelial cells. CD15 antibody is very useful in the identification of Hodgkin's disease. CD15 is occasionally expressed in large cell lymphomas of both B and T phenotypes which otherwise have a quite distinct histological appearance.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	530
Applicable Applications for anti-FUT4 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	U937 cells, Reed-Sternberg's cells in Hodgkin's lymphoma.
Immunogen	U937 histiocytic cell line
Cellular Localization	Cell Surface and granular paranuclear
Hu-chromosome Location	11q21
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



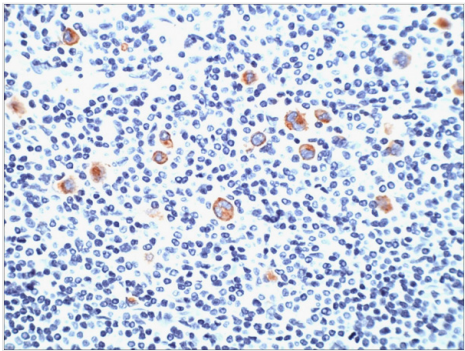
FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of U937 cells using CD15 MAb (SPM119) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



IF (Immunofluorescence)
Immunofluorescence staining of U937 cells using CD15 Monoclonal Antibody (SPM119) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.



FCM/FACS (Flow Cytometry)
FACS analysis of CD15 on human Monocytes using CD15 Monoclonal Antibody (SPM119).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma stained with CD15 Monoclonal Antibody (SPM119).

ADDITIONAL INFORMATION

References	Hanjan SN et. al. Clinical Immunology 23(2):172-8
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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
Molecular Weight	~220kDa
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-fut4-antibody-clone-spm119-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214982>