

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

CD15 / FUT4 (Reed-Sternberg Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62941	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

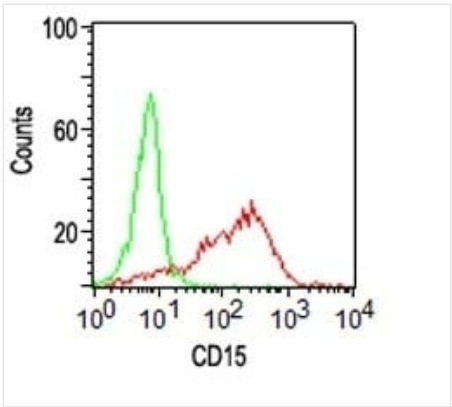
PRODUCT SYNONYMS

CD15 / FUT4; Monoclonal Antibody; CD15 / FUT4 (Reed-Sternberg Cell Marker) Mouse Monoclonal Antibody; 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

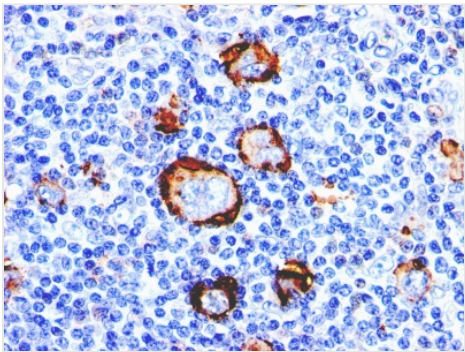
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgM, kappa
Clone Number	Leu-M1; same as MMA
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.
Form/Format	Bioreactor Concentrate with 0.05% Azide.
Sequence Length	530
Applicable Applications for anti-FUT4 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface and granular paranuclear
Immunogen	U937 histiocytic cell line
Hu-Chromosome Location	11q21
Positive Control	U937 cells, Reed-Sternberg's cells in Hodgkin's lymphoma
Preparation and Storage	Store at 2 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)
FACS analysis of human Monocytes using CD15 Monoclonal Antibody (Leu-M1).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma stained with CD15 Monoclonal Antibody (Leu-M1).

ADDITIONAL INFORMATION

References	Hanjan SN et. al. Clinical Immunology & Immunopathology, 1982;23(2):172-88. Hsu et. al. Amer J Clin Pathol 82: 29, 1984.3. Pinkus et. al. Am J Pathol 119: 244, 1985.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503811
NCBI GeneID	2526
NCBI Accession #	NP_002024.1
NCBI GenBank Nucleotide #	NM_002033.3
UniProt Accession #	P22083; B2RMS0
Molecular Weight	~220kDa (Glycoprotein)
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
UniProt Entry Name	FUT4_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.