Product datasheet for TA354954

FUT4 Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	The human myelomonocytic leukemia cells.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59 kDa
Gene Name:	fucosyltransferase 4
Database Link:	NP_002024 Entrez Gene 2526 Human P22083
Background:	CD15 is an antigen present on myelomonocytic cells and Lacto-Nfucopentose III (also known as hapten X). It is present on greater than 90% of granulocytes including neutrophils and eosinophils, and to a lesser degree, on monocytes. CD15 is expressed in Reed-Sternberg cells of Hodgkin's disease (of the nodular sclerosis, mixed cellularity and lymphocyte-depleted subtypes). This antibody recognizes myeloid cells, mainly granulocytes but not on B cells, T cells, monocytes, erythrocytes or platelets. Positive staining for CD15 combined with a negative reaction for lymphocytic markers may provide support for Hodgkin's disease. Fifty percent or more of adenocarcinomas have been described as showing significant cytoplasmic positivity for CD15. It does not detect most mesotheliomas.
Synonyms:	CD15; ELFT; FCT3A; FUC-TIV; FUTIV; LeX; SSEA-1

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Protein Families: Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways