

FUT4 monoclonal antibody, clone BRA4F1

Catalog # MAB5298

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native FUT4.
Immunogen	Native purified FUT4 from an erythroid-myeloid leukemia cell line (K562 cell).
Host	Mouse
Reactivity	Human
Specificity	BRA4F1 specifically detects CD15. CD15 contains the pentasaccharide lacto-N-fucopentatose III and is particularly expressed on granulocytes and mature neutrophils and on a wide variety of tumor cells including myeloid leukemia, breast, colorectal, and lung cancer cells. The mAb BRA4F1 was clustered at the IVth International Workshop on Leucocyte Differentiation Antigens.
Form	Liquid
Isotype	IgM
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Gene Info — FUT4

Entrez GeneID	2526
Gene Name	FUT4
Gene Alias	CD15, ELFT, FCT3A, FUC-TIV, FUTIV
Gene Description	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)
Omim ID	104230
Gene Ontology	Hyperlink
Gene Summary	The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). [provided by RefSeq]
Other Designations	ELAM ligand fucosyltransferase fucosyltransferase 4 fucosyltransferase IV galactoside 3-L-fucosyltransferase

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Metabolic pathways](#)