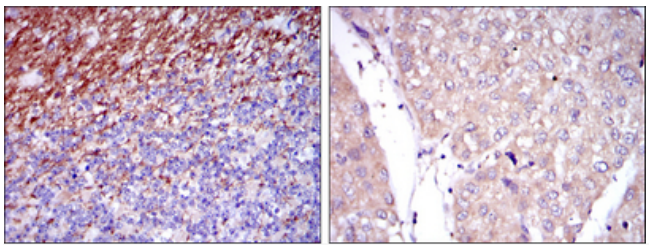
CD15 Monoclonal Antibody

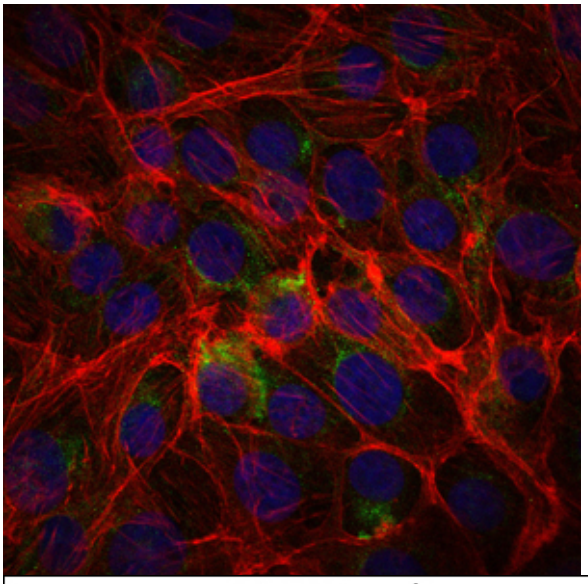
Catalog No	YP-Ab-03386
Isotype	IgG
Reactivity	Human
Applications	IHC;IF;ELISA
Gene Name	FUT4
Protein Name	Alpha-(1,3)-fucosyltransferase
Immunogen	Synthesized peptide of human CD15.
Specificity	CD15 Monoclonal Antibody detects endogenous levels of CD15 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FUT4; ELFT; FCT3A; Alpha-(1; 3)-fucosyltransferase; ELAM-1 ligand fucosyltransferase; Fucosyltransferase 4; Fucosyltransferase IV; Fuc-TIV; FucT-IV; Galactoside 3-L-fucosyltransferase
Observed Band	
Cell Pathway	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Membrane-bound form in trans cisternae of Golgi.
Tissue Specificity	[Isoform Short]: Expressed at low levels in bone marrow-derived mesenchymal stem cells. ; Expressed in cord blood immature promyelocytes and in peripheral blood myeloid and lymphoid cell populations.
Function	caution:It is uncertain whether Met-1 or Met-126 is the initiator.,function:May catalyze alpha-1,3 glycosidic linkages involved in the expression of Lewis X/SSEA-1 and VIM-2 antigens.,online information:Fucosyltransferase 4,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 10 family.,subcellular location:Membrane-bound form in trans cisternae of Golgi.,
Background	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, Jan 2009],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of paraffin-embedded human cerebellum tissues (left) and human liver cancer tissues (right) with DAB staining using CD15 Monoclonal Antibody.



Immunofluorescence analysis of PC-2 cells using CD15 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.