

CD15 Monoclonal Antibody

Catalog No :	YM0104
Reactivity :	Human
Applications :	IHC;IF;ELISA
Target :	CD15
Fields :	>>Mannose type O-glycan biosynthesis;>>Glycosphingolipid biosynthesis - lacto and neolacto series;>>Metabolic pathways
Gene Name :	FUT4
Protein Name :	Alpha-(1,3)-fucosyltransferase
Human Gene Id :	2526
Human Swiss Prot No :	P22083
Mouse Swiss Prot No :	Q11127
Immunogen :	Synthesized peptide of human CD15.
Specificity :	CD15 Monoclonal Antibody detects endogenous levels of CD15 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	IHC 1:200 - 1:1000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Cell Pathway :	Glycosphingolipid biosynthesis;

P References :

1. Cancer Cell. 2009 Feb 3;15(2):135-47.
2. Biochim Biophys Acta. 2008 Feb;1783(2):287-96.

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],

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.,

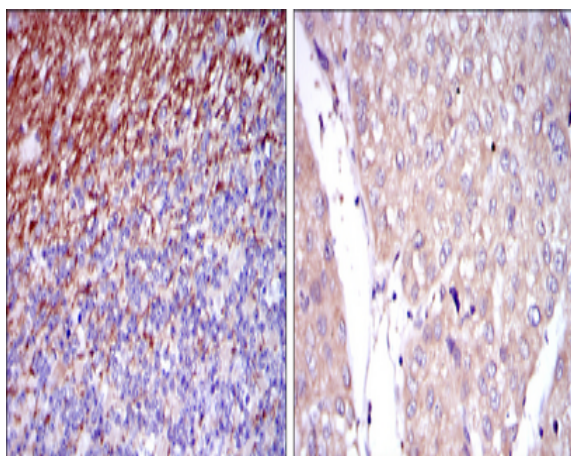
Subcellular Location :

Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Membrane-bound form in trans cisternae of Golgi.

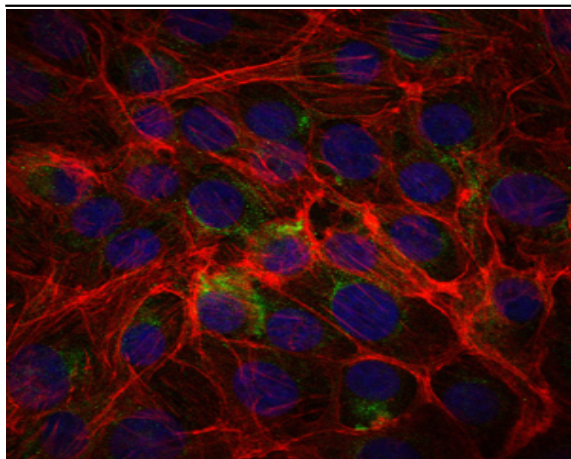
Expression :

[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.

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.

