

## CD15 Monoclonal Antibody

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

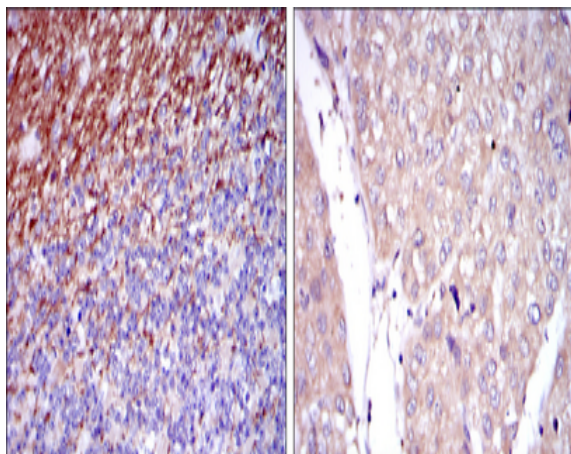
**Subcellular Location :**

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

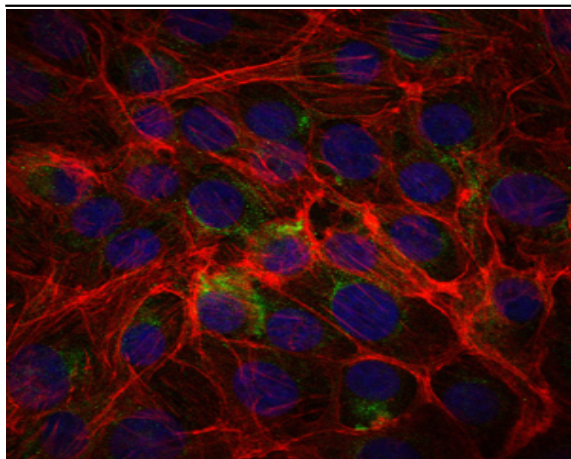
**Expression :**

[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.

