

CD15 Monoclonal Antibody(Q89)

Catalog No :	YM3105
Reactivity :	Human
Applications :	IHC;IF
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 Gene Id :	14345
Mouse Swiss Prot No :	Q11127
Rat Swiss Prot No :	Q62994
Immunogen :	Synthetic Peptide of CD15
Specificity :	The antibody detects endogenous CD15 protein.
Formulation :	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source :	Monoclonal, Mouse
Dilution :	IHC 1:200 IF 1:50-200
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 46kD

Cell Pathway : Glycosphingolipid biosynthesis;

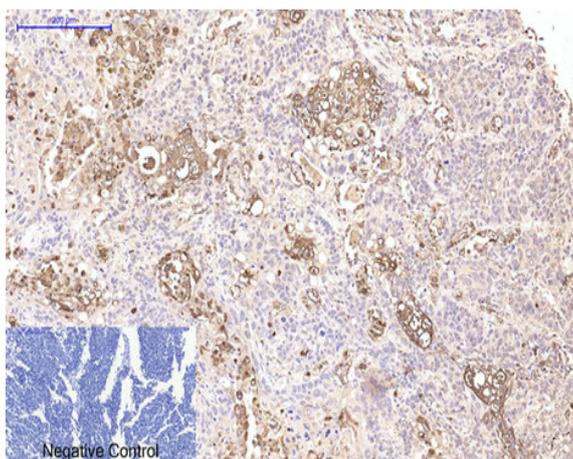
Background : The product of this gene transfers fucose to N-acetylglucosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). [provided by RefSeq, Jan 2009],

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.,

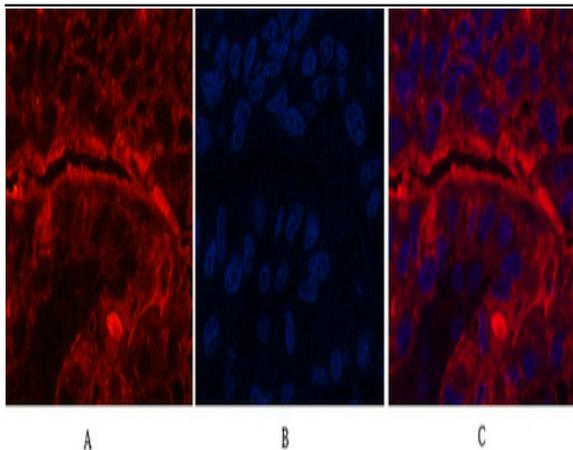
Subcellular Location : Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Membrane-bound form in trans cisternae of Golgi.

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.

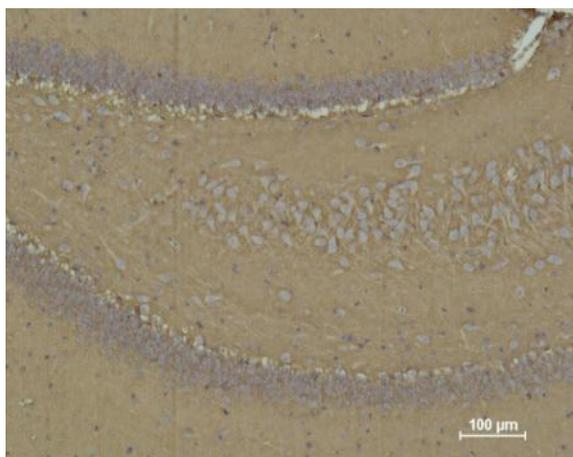
Products Images



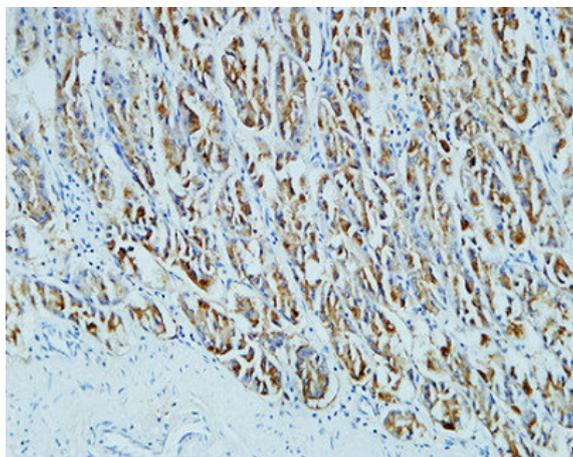
Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1,CD15 Monoclonal Antibody(Q89) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-liver-cancer tissue. 1, CD15 Monoclonal Antibody (Q89) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CD 15 Mouse mAb diluted at 1:500.



Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:200 (4°C overnight). 2, High-pressure and temperature EDTA, pH 8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min).