

**CD15 Monoclonal Antibody(Q89)**

<b>Catalog No :</b>	YM3105
<b>Reactivity :</b>	Human
<b>Applications :</b>	IHC;IF
<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 Gene Id :</b>	14345
<b>Mouse Swiss Prot No :</b>	Q11127
<b>Rat Swiss Prot No :</b>	Q62994
<b>Immunogen :</b>	Synthetic Peptide of CD15
<b>Specificity :</b>	The antibody detects endogenous CD15 protein.
<b>Formulation :</b>	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	IHC 1:200 IF 1:50-200
<b>Purification :</b>	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;

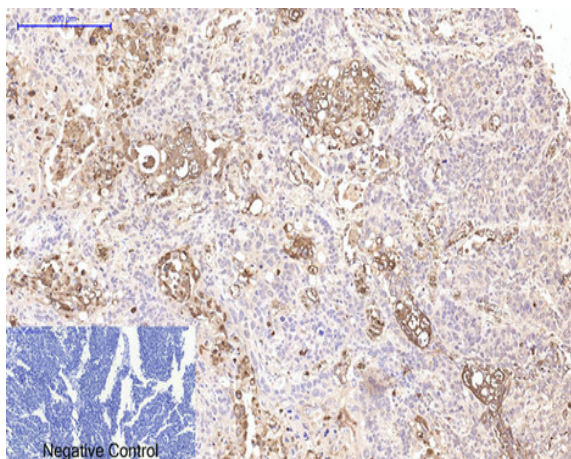
**Background :** The product of this gene transfers fucose to N-acetylglucosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). [provided by RefSeq, Jan 2009],

**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.,

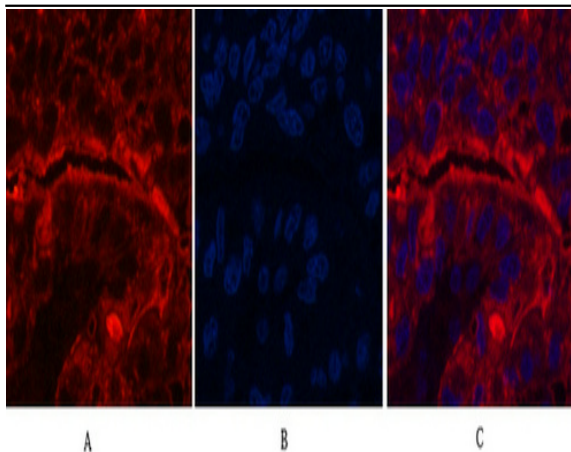
**Subcellular Location :** Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Membrane-bound form in trans cisternae of Golgi.

**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.

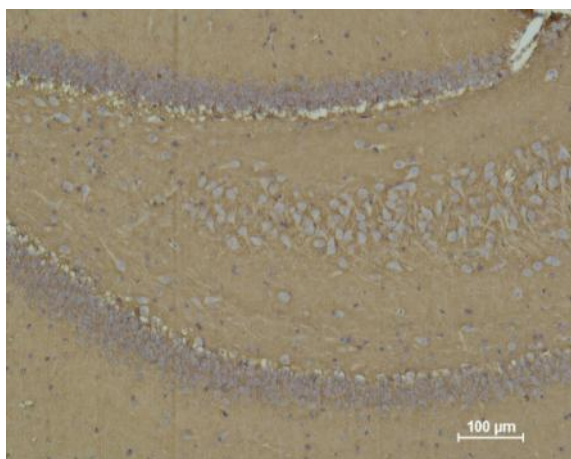
## Products Images



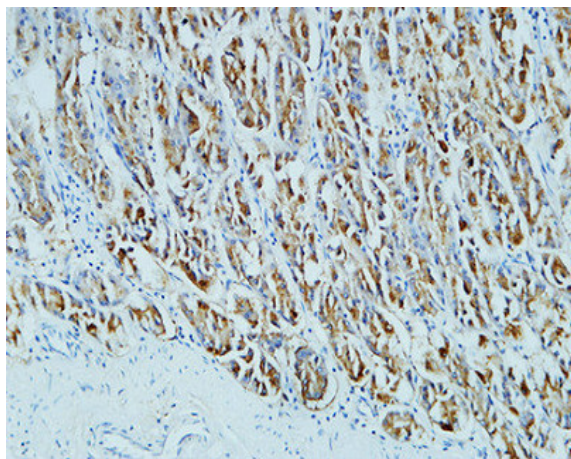
Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1,CD15 Monoclonal Antibody(Q89) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control 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, 50min).3, Picture B: DAPI(blue) 10min. 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° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).