

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;

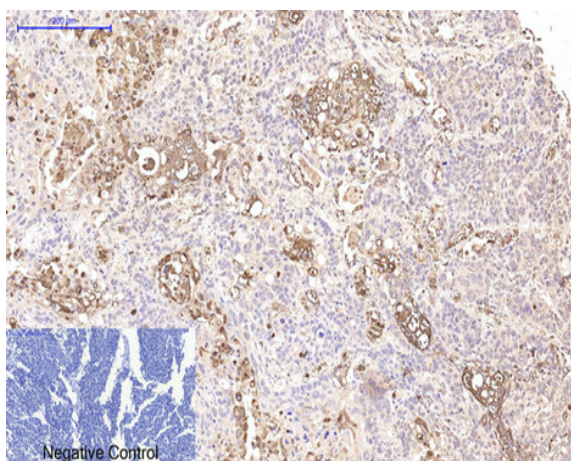
Background : The product of this gene transfers fucose to N-acetylglucosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). [provided by RefSeq, Jan 2009],

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.,

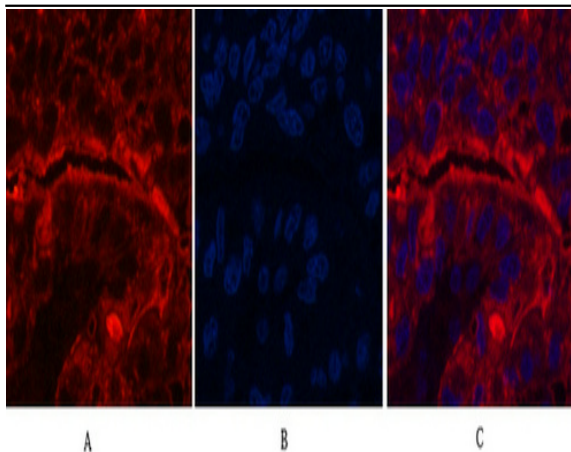
Subcellular Location : Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Membrane-bound form in trans cisternae of Golgi.

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.

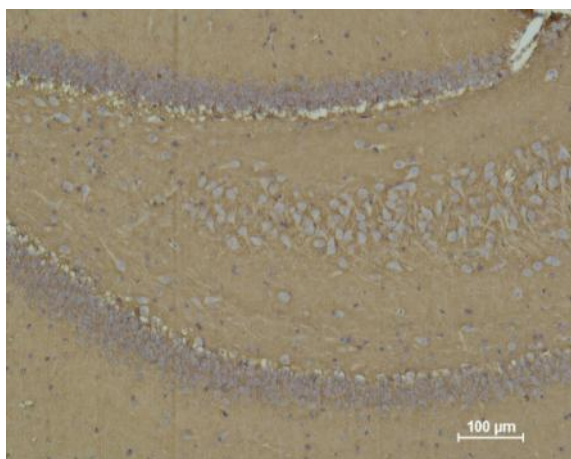
Products Images



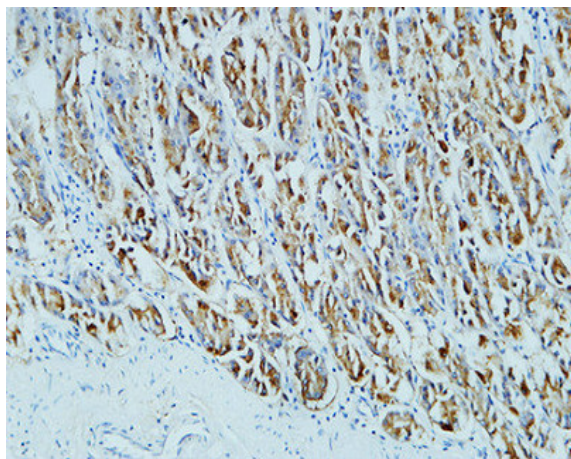
Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1,CD15 Monoclonal Antibody(Q89) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control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