

**CD15 Monoclonal Antibody(Q89)**  
Catalog # AP63359**Specification****CD15 Monoclonal Antibody(Q89) - Product Information**

Application	IHC
Primary Accession	<a href="#">P22083</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal

**CD15 Monoclonal Antibody(Q89) - Additional Information**

Gene ID 2526

**Other Names**

FUT4; ELFT; FCT3A; Alpha-(1, 3)-fucosyltransferase; ELAM-1 ligand fucosyltransferase; Fucosyltransferase 4; Fucosyltransferase IV; Fuc-TIV; FucT-IV; Galactoside 3-L-fucosyltransferase

**Dilution**

IHC~~IHC 1:200 IF 1:50-200

**Format**

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

**Storage Conditions**

-20°C

**CD15 Monoclonal Antibody(Q89) - Protein Information**

Name FUT4 {ECO:0000303|PubMed:29593094}

**Function**

[Isoform Short]: Catalyzes alpha(1->3) linkage of fucosyl moiety transferred from GDP-beta-L-fucose to N-acetyl glucosamine (GlcNAc) within type 2 lactosamine (LacNAc, Gal-beta(1->4)GlcNAc) glycan attached to N- or O-linked glycoproteins (PubMed:<a href="http://www.uniprot.org/citations/1702034" target="\_blank">1702034</a>, PubMed:<a href="http://www.uniprot.org/citations/1716630" target="\_blank">1716630</a>, PubMed:<a href="http://www.uniprot.org/citations/29593094" target="\_blank">29593094</a>). Robustly fucosylates nonsialylated distal LacNAc unit of the polylactosamine chain to form Lewis X antigen (CD15), a glycan determinant known to mediate important cellular functions in development and immunity. Fucosylates with lower efficiency sialylated LacNAc acceptors to form sialyl Lewis X and 6- sulfo sialyl Lewis X determinants that serve as recognition epitopes for C-type lectins (PubMed:<a href="http://www.uniprot.org/citations/1716630" target="\_blank">1716630</a>, PubMed:<a href="http://www.uniprot.org/citations/29593094" target="\_blank">29593094</a>). Together with FUT7 contributes to SELE, SELL and SELP selectin ligand biosynthesis and selectin-dependent lymphocyte homing, leukocyte migration and blood leukocyte homeostasis (By similarity). In a cell type specific manner, may also fucosylate the internal LacNAc unit of the

polylactosamine chain to form VIM-2 antigen that serves as recognition epitope for SELE  
(PubMed:<a href="http://www.uniprot.org/citations/11278338" target="\_blank">11278338</a>,  
PubMed:<a href="http://www.uniprot.org/citations/1716630" target="\_blank">1716630</a>).

#### Cellular Location

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

#### Tissue Location

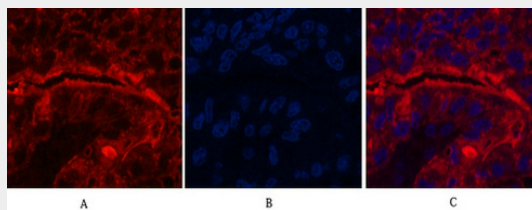
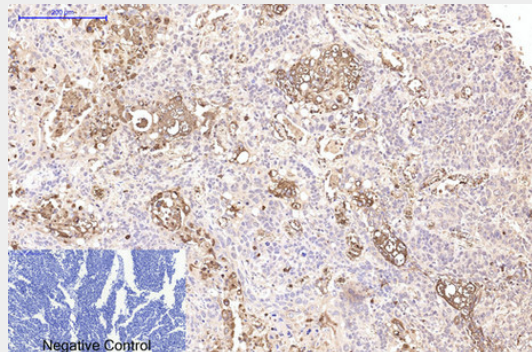
[Isoform Short]: Expressed at low levels in bone marrow-derived mesenchymal stem cells.

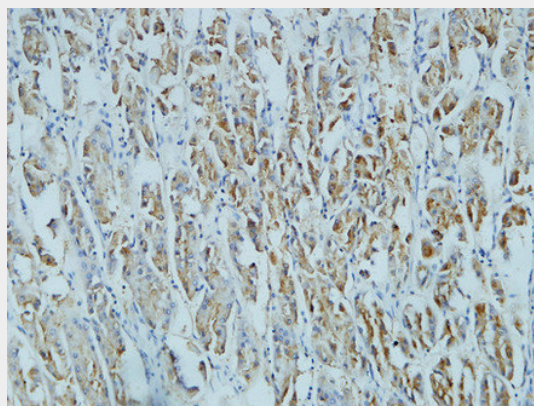
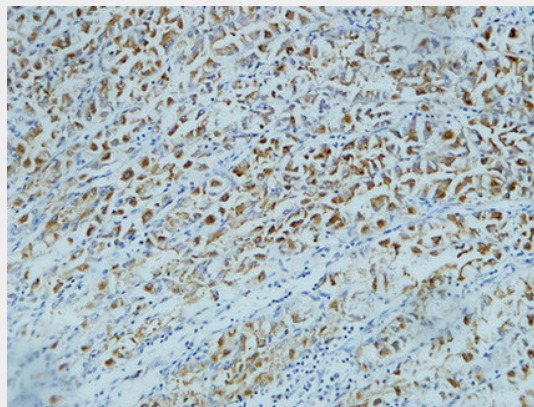
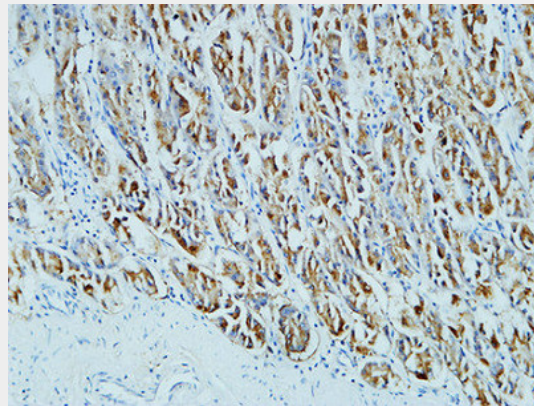
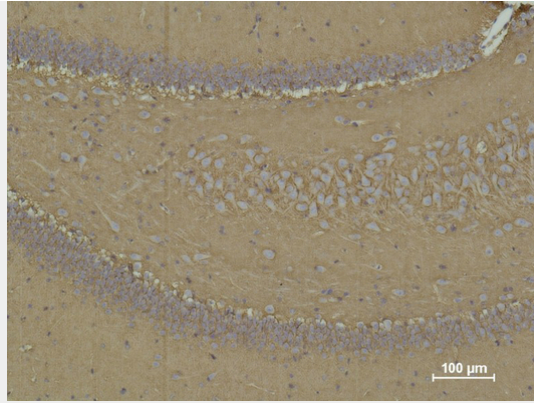
### CD15 Monoclonal Antibody(Q89) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CD15 Monoclonal Antibody(Q89) - Images





## **CD15 Monoclonal Antibody(Q89) - Background**

May catalyze alpha-1,3 glycosidic linkages involved in the expression of Lewis X/SSEA-1 and VIM-2 antigens.