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Rabbit Anti-FUT10/Cy5 Conjugated antibody

SL16197R-Cy5

Product Name	Anti-FUT10/Cy5
Chinese Name	Cy5 标记的 FUT10 蛋白抗体
Alias	3)-fucosyltransferase 10; Alpha-(1; Alpha-(1,3)-fucosyltransferase 10; Fuc-TX; Fucosyltransferase 10; Fucosyltransferase X; FucT-X; fut10; FUT10_HUMAN; Galactoside 3-L-fucosyltransferase 10.
Research Area	Cell biology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Dog,Sheep,Chimpanzee)
Applications	ICC=1:50-200 IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	56kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FUT10
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 癈 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20 癈. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癈.
Product Detail	**background:** Glycosyltransferases that mediate the regio- and stereoselective transfer of sugars, such as the fucosyltransferases, determine cell surface-carbohydrate profiles, which is an essential interface for biological recognition processes. Fucosyltransferases catalyze the covalent association of fucose to different positional linkages in sugar acceptor molecules. Hematopoietic lineages rely

on Fucosyltransferases to confer a surface carbohydrate phenotype, which mediates proper cell adhesion, molecule recruitment and cell trafficking. Localized to the Golgi apparatus as a single-pass transmembrane protein, FucT-X, also designated ?(1,3)-fucosyltransferase 10 or FUT10, is a 479 amino acid protein that is involved in protein modification and glycosylation. There are seven isoforms of FucT-X that are produced as a result of alternative splicing events.

Function:
Probable fucosyltransferase.

Subcellular Location:
Golgi apparatus; Golgi stack membrane.

Similarity:
Belongs to the glycosyltransferase 10 family.

Database links:

Entrez Gene: 84750 Human

Entrez Gene: 100444252 Orangutan

Entrez Gene: 697659 Rhesus monkey

SwissProt: Q6P4F1 Human

Unigene: 458713 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.