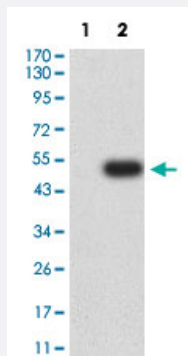


FUT3 monoclonal antibody, clone 1F8G5C7

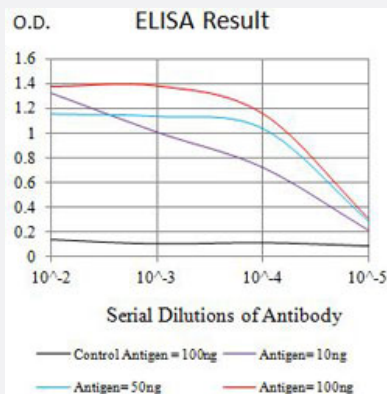
Catalog # MAB21462 Size 100 ug

Applications



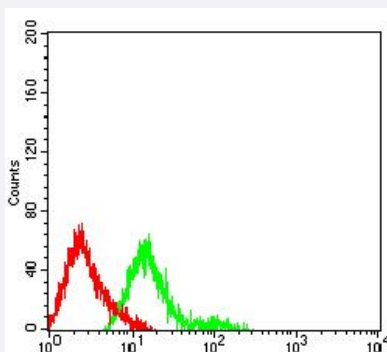
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: FUT3-hlgGfC transfected HEK293 cell lysates with FUT3 monoclonal antibody, clone 1F8G5C7 (Cat # MAB21462).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with FUT3 monoclonal antibody, clone 1F8G5C7 (Cat # MAB21462).



Flow Cytometry

Flow cytometric analysis of HL-60 cells with FUT3 monoclonal antibody, clone 1F8G5C7 (Cat # MAB21462) (Green). Red: Negative Control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human FUT3.
Immunogen	Recombinant protein corresponding to amino acids 199-361 of human FUT3.
Host	Mouse
Theoretical MW (kDa)	42.1
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: FUT3-hlgGfc transfected HEK293 cell lysates with FUT3 monoclonal antibody, clone 1F8G5C7 (Cat # MAB21462).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with FUT3 monoclonal antibody, clone 1F8G5C7 (Cat # MAB21462).

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Flow cytometric analysis of HL-60 cells with FUT3 monoclonal antibody, clone 1F8G5C7 (Cat # MAB21462) (Green). Red: Negative Control.

Gene Info — FUT3

Entrez GeneID [2525](#)

Protein Accession# [P21217](#)

Gene Name	FUT3
Gene Alias	CD174, FT3B, FucT-III, LE, Les, MGC131739
Gene Description	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group)
Omim ID	111100
Gene Ontology	Hyperlink
Gene Summary	The Lewis histo-blood group system comprises a set of fucosylated glycosphingolipids that are synthesized by exocrine epithelial cells and circulate in body fluids. The glycosphingolipids function in embryogenesis, tissue differentiation, tumor metastasis, inflammation, and bacterial adhesion. They are secondarily absorbed to red blood cells giving rise to their Lewis phenotype. This gene is a member of the fucosyltransferase family, which catalyzes the addition of fucose to precursor polysaccharides in the last step of Lewis antigen biosynthesis. It encodes an enzyme with alpha(1,3)-fucosyltransferase and alpha(1,4)-fucosyltransferase activities. Mutations in this gene are responsible for the majority of Lewis antigen-negative phenotypes. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq]
Other Designations	Lewis FT alpha-(1,3/1,4)-fucosyltransferase blood group Lewis alpha-4-fucosyltransferase fucosyltransferase 3 galactoside 3(4)-L-fucosyltransferase

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Breast Neoplasms](#)
- [Caliciviridae Infections](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Coronary Disease](#)

- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Lymphatic Metastasis](#)
- [Obesity](#)
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- [Pseudomonas Infections](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
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