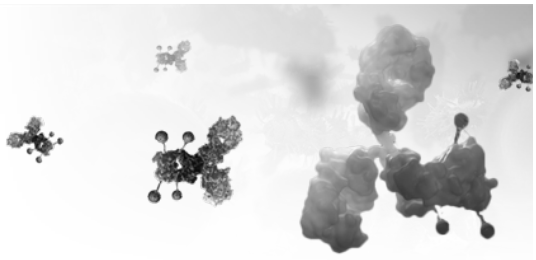

Mouse anti-Human FUT1 monoclonal antibody, clone B80-B/B0 (CABT-B10286)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody recognizes the epitope Fucalpha1-2Galbeta1 and is therefore specific to blood group antigen H detecting H2, LeY and Leb and the mAb has no cross-reactivities with the blood group antigens A, B, Lea and Lex.
Immunogen	Native purified FUT1 from neuraminidase treated live cells of the T-47D breast carcinoma cell lines.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	B80-B/B0
Conjugate	Unconjugated
Applications	IHC
Format	Liquid
Buffer	In PBS (0.05% sodium azide)
Storage	Store at 4°C.

BACKGROUND

Introduction	The protein encoded by this gene is a Golgi stack membrane protein that is involved in the creation of a precursor of the H antigen, which is required for the final step in the soluble A and

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	B antigen synthesis pathway. This gene is one of two encoding the galactoside 2-L-fucosyltransferase enzyme. Mutations in this gene are a cause of the H-Bombay blood group. [provided by RefSeq, Jul 2008]
Keywords	FUT1; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group); H; HH; HSC; galactoside 2-alpha-L-fucosyltransferase 1; alpha(1,2)FT 1; 2-alpha-L-fucosyltransferase; alpha (1,2) fucosyltransferase; alpha(1,2) fucosyltransferase 1; blood group H alpha 2-fucosyltransferase; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase);

GENE INFORMATION

Entrez Gene ID	2523
UniProt ID	P19526
Pathway	Ganglio Sphingolipid Metabolism, organism-specific biosystem; Glycosphingolipid biosynthesis - globo series, organism-specific biosystem; Glycosphingolipid biosynthesis - globo series, conserved biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	fucosyltransferase activity; galactoside 2-alpha-L-fucosyltransferase activity; transferase activity, transferring glycosyl groups;

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