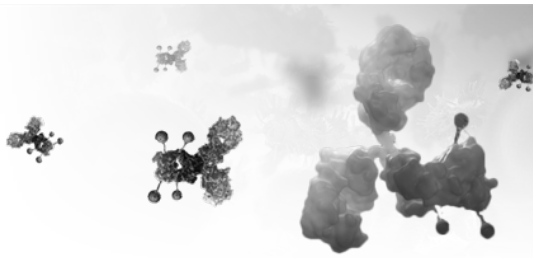

Mouse anti-Human A4GALT monoclonal antibody, clone 4F23 (CABT-B9714)

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

PRODUCT INFORMATION

Immunogen	A4GALT (NP_059132, 254 a.a. ~ 354 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4F23
Conjugate	Unconjugated
Applications	ELISA
Sequence Similarities	LTRVFKKWCSIRSLAESRACRGVTTLPPEAFYPIPWQDWKKYFEDINPEELPRLLSATYA VHVWNKKSQGTRFEATSRALLAQLHARYCPTTHEAMKMYL*
Format	Liquid
Size	50 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene catalyzes the transfer of galactose to lactosylceramide to form globotriaosylceramide, which has been identified as the P(k) antigen of the P blood group

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	system. The encoded protein, which is a type II membrane protein found in the Golgi, is also required for the synthesis of the bacterial verotoxins receptor. [provided by RefSeq, Jul 2008]
Keywords	A4GALT; alpha 1,4-galactosyltransferase; P1; PK; Gb3S; P(k); P1PK; A14GALT; A4GALT1; lactosylceramide 4-alpha-galactosyltransferase; GB3 synthase; alpha4Gal-T1; CD77 synthase; P1/Pk synthase; P(k) antigen synthase; P blood group (P one antigen); globotriaosylceramide synthase; alpha-1,4-N-acetylglucosaminyltransferase; UDP-galactose:beta-D-galactosyl-beta1-R 4-alpha-D-galactosyltransferase;

GENE INFORMATION

Entrez Gene ID	53947
UniProt ID	Q9NPC4
Pathway	Glycosphingolipid biosynthesis - globo series, organism-specific biosystem; Glycosphingolipid biosynthesis - globo series, conserved biosystem; Metabolic pathways, organism-specific biosystem
Function	galactosyltransferase activity; lactosylceramide 4-alpha-galactosyltransferase activity; transferase activity, transferring glycosyl groups

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