α1,4-半乳糖基转移酶 1

产品货号： mlR7588

英文名称： A4GALT

中文名称： α1,4-半乳糖基转移酶 1

别　　名： 4 N acetylglucosaminyltransferase; 4-galactosyltransferase; 4-N-acetylglucosaminyltransferase; A14GALT; A4GALT; A4GALT1; A4GAT_HUMAN; Alpha 1 4 galactosyltransferase; Alpha 1 4 N acetylglucosaminyltransferase; Alpha-1; Alpha-1; Alpha4Gal T1; Alpha4Gal-T1; CD 77; CD77 synthase; GB3 synthase; Gb3S; Globotriaosylceramide synthase; Lactosylceramide 4 alpha galactosyltransferase; Lactosylceramide 4-alpha-galactosyltransferase; P blood group (P one antigen); P(k) antigen synthase; P1; P1/Pk synthase; PK; UDP galactose beta D galactosyl beta1 R 4 alpha D galactosyltransferase; UDP-galactose:beta-D-galactosyl-beta1-R 4-alpha-D-galactosyltransferase.

研究领域： 心血管　细胞生物　细胞表面分子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 Flow-Cyt=1ug/Test IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 40kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： **K**LH conjugated synthetic peptide derived from human A4GALT/CD77:291-353/353

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C 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°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed : PubMed

产品介绍 : Necessary for the biosynthesis of the Pk antigen of blood histogroup P. Catalyzes the transfer of galactose to lactosylceramide and galactosylceramide. Necessary for the synthesis of the receptor for bacterial verotoxins.Expression of CD77, also called Gb3, sensitizes a cell to verotoxins, causing cellular injury that can lead to disease. Therefore, the complex regulation of CD77 biosynthesis and the activity of the enzymes involved, such as CD77 synthase, can be studied by compared gene expression between toxin-sensitive and insensitive tissues and cell lines. The highest tissue expression of CD77 synthase occurs in the kidney, mesenteric lymph node, spleen, and brain. Burkitt leukemia cells express very high levels of CD77 as well as CD77 synthase, and are sensitive to verotoxin induced apoptosis. These megakaryoblasts then never mature, leading to the arrest of platelet generation in the bone marrow, which may cause thrombocytopenia, a symptom associated with various hemorrhagic conditions.

Function:

Necessary for the biosynthesis of the Pk antigen of blood histogroup P. Catalyzes the transfer of galactose to lactosylceramide and galactosylceramide. Necessary for the synthesis of the receptor for bacterial verotoxins.

Subcellular Location:

Golgi apparatus membrane; Single-pass type II membrane protein (Probable).

Tissue Specificity:

Ubiquitous. Highly expressed in kidney, heart, spleen, liver, testis and placenta.

Similarity:

Belongs to the glycosyltransferase 32 family.

SWISS:

Q9NPC4

Gene ID:

53947

Important Note:

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

产品图片 ：