

CD57 (PTF0052) Mouse mAb

CatalogNo: YF0043 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- FC,IF

Isotype

- Mouse IgG1/Kappa

Storage

Storage*

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Formulation

PBS, pH 7.4

Recommended Dilution Ratios

IF 1:200-1:1000

FC:1 µg per million cells in 100 µl volume. For optimal results, the reagent should be titrated according to each specific application

Basic Information

Clonality

Monoclonal

Clone Number

PTF0052

Immunogen Information

Immunogen

The specific immunogen used to produce this antibody is proprietary information.

Specificity

Endogenous

| Target Information

Gene name	B3GAT1 GLCATP
Protein Name	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1 (Beta-1,3-glucuronosyltransferase 1) (Glucuronosyltransferase P) (GlcAT-P) (UDP-GlcUA:glycoprotein beta-1,3-glucuronosyltransferase) (GlcUAT-P)
Cellular Localization	[Isoform 1]: Golgi apparatus membrane ; Single-pass type II membrane protein . Secreted . ; [Isoform 2]: Golgi apparatus membrane ; Single-pass type II membrane protein . Endoplasmic reticulum membrane . Secreted .
Tissue specificity	Mainly expressed in the brain.
Function	Catalytic activity:UDP-glucuronate + 3-beta-D-galactosyl-4-beta-D-galactosyl-O-beta-D-xylosylprotein = UDP + 3-beta-D-glucuronosyl-3-beta-D-galactosyl-4-beta-D-galactosyl-O-beta-D-xylosylprotein. ,cofactor:Manganese. ,Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR) , asialo-fetuin , and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearoyl-sphingomyelin was the most effective , followed by palmitoyl-sphingomyelin and lignoceroyl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid , regardless of the length of the acyl group. ,online information:GlycoGene database ,pathway:Protein modification; protein glycosylation. ,similarity:Belongs to the glycosyltransferase 43 family. ,subunit:Homodimer . ,tissue specificity:Mainly expressed in the brain. ,

| Validation Data

| Contact information

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CD57 (PTF0052)
Mouse mAb

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