10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD57
Mouse Monoclonal antibody(Mab)
Catalog # AD80190

Specification

CD57 - Product info

Application	**IHC-P, IHC**
Primary Accession	Q9P2W7
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**38256**

CD57 - Additional info

Gene ID	**27087**
Gene Name	**B3GAT1 (HGNC:921)**

Other Names
Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1, 2.4.1.135, UDP-GlcUA:glycoprotein beta-1, 3-glucuronyltransferase, GlcUAT-P, B3GAT1 (HGNC:921), GLCATP

Dilution
IHC-P~~Ready-to-use
IHC~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

Precautions	**CD57 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

CD57 - Protein Information

Name B3GAT1 (HGNC:921)

Synonyms	**GLCATP**
Function	**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**

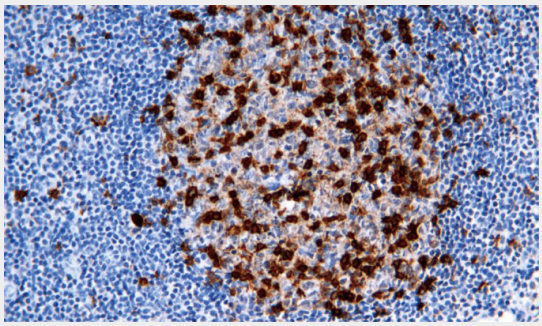
	lignoceroyl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid, regardless of the length of the acyl group.
Cellular Location	**Isoform 1: Golgi apparatus membrane {ECO:0000250|UniProtKB:O35789}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:O35789}. Secreted {ECO:0000250|UniProtKB:O35789}**
Tissue Location	**Mainly expressed in the brain.**

CD57 - Protocols

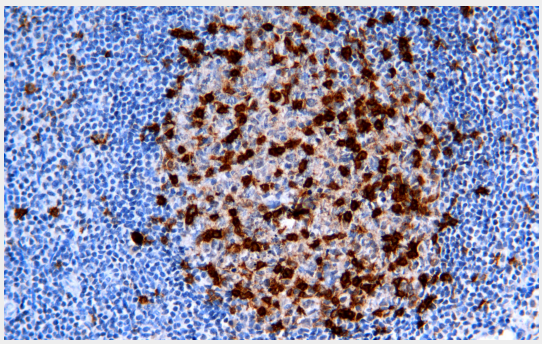
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD57 - Images



Tonsil



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80190 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room

temperature. AmpSeeTM Detection Systems□Abcepta:AR005□ was used as the secondary antibody.