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Anti-CD57 / HNK1 Antibody (clone HNK-1)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17757

Specification

Anti-CD57 / HNK1 Antibody (clone HNK-1) - Product Information

Application	**IHC-P, FC**
Primary Accession	Q9P2W7
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgM,k**
Calculated MW	**38256**

Anti-CD57 / HNK1 Antibody (clone HNK-1) - Additional Information

Gene ID 27087

Alias Symbol	**B3GAT1**

Other Names
B3GAT1, CD57, CD57 antigen, GlcAT-P, GLCUATP, Glucuronosyltransferase P, HNK-1, HNK1, LEU7, GLCATP, NK-1, NK1, LEU7 antigen, GlcUAT-P

Reconstitution & Storage
Ammonium sulfate precipitation

Precautions
Anti-CD57 / HNK1 Antibody (clone HNK-1) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CD57 / HNK1 Antibody (clone HNK-1) - 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.

Anti-CD57 / HNK1 Antibody (clone HNK-1) - 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

Anti-CD57 / HNK1 Antibody (clone HNK-1) - Images