

**CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone HNK-1 or Leu-7 ]**  
**Catalog # AH11296**

**Specification**

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**CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide - Product Information**

Application	IHC, IF
Primary Accession	<a href="#">O9P2W7</a>
Other Accession	<a href="#">27087</a> , <a href="#">381050</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgM, kappa
Calculated MW	~110kDa KDa

**CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide - Additional Information**

**Gene ID** 27087

**Other Names**

Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1, 2.4.1.135, Beta-1, 3-glucuronyltransferase 1, Glucuronosyltransferase P, GlcAT-P, UDP-GlcUA:glycoprotein beta-1, 3-glucuronyltransferase, GlcUAT-P, B3GAT1, GLCATP

**Application Note**

IHC~~1:100~500  
IF~~1:50~200

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide - 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}

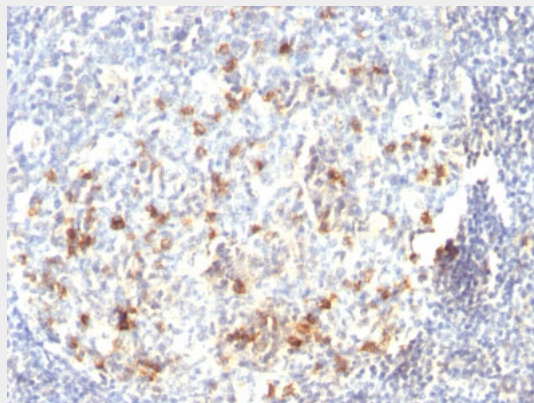
**Tissue Location**

Mainly expressed in the brain.

**CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide - Images**

Formalin-fixed, paraffin-embedded human Tonsil stained with CD57 Monoclonal Antibody (HNK-1).

**CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide - Background**

Anti-CD57 marks a subset of lymphocytes known as natural killer (NK) cells. Follicular center cell lymphomas often contain many NK cells within the neoplastic follicles. Anti-CD57 also stains neuroendocrine cells and their derived tumors, including carcinoid tumor and medulloblastoma. Anti-CD57 can also be useful in separating type B3 thymoma from thymic carcinoma when combined with a panel that includes antibodies against GLUT1, CD5, and CEA.

**CD57 / B3GAT1 (Natural Killer Cell Marker) Antibody - With BSA and Azide - References**

Abo T et. al. J Immunol, 1982, 129(4):1758-61. | Abo T et al. J Immunology, 1982, 129:1752-7