

Product datasheet

Anti-B3GAT1 antibody [HNK-1 or Leu-7] ab233871

1 Image

Overview

Product name	Anti-B3GAT1 antibody [HNK-1 or Leu-7]
Description	Mouse monoclonal [HNK-1 or Leu-7] to B3GAT1
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Does not react with: Rat
Immunogen	Tissue, cells or virus corresponding to Human B3GAT1. (Human peripheral blood mononuclear cells).
Positive control	IHC-P: Human tonsil tissue.
General notes	Previously labeled as CD57.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purification notes	Purified from Bioreactor Concentrate.
Clonality	Monoclonal
Clone number	HNK-1 or Leu-7
Isotype	IgM
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab233871** in the following tested applications.

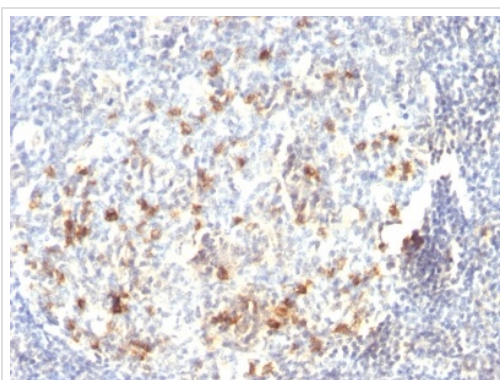
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Primary incubation for 30 minutes at RT.

Target

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: stearyl-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.
Tissue specificity	Mainly expressed in the brain.
Pathway	Protein modification; protein glycosylation.
Sequence similarities	Belongs to the glycosyltransferase 43 family.
Cellular localization	Golgi apparatus membrane.

Images



Formalin-fixed, paraffin-embedded human tonsil tissue stained for B3GAT1 using ab233871 at 4 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD57 antibody [HNK-1 or Leu-7] (ab233871)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors