

B3GAT1 Antibody

Mouse Monoclonal Antibody [Clone NK-1]

Catalog No	Format	Size
27087-MSM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
27087-MSM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
27087-MSM10-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	NK-1
Immunogen	Recombinant human B3GAT1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgM / Kappa
Mol. Weight of Antigen	38.26kDa
Cellular Localization	Endoplasmic reticulum membrane, Golgi apparatus membrane, Secreted
Species Reactivity	Human
Positive Control	Mainly expressed in the brain

*Optimal dilution for a specific application should be determined.

Product Images for B3GAT1 Antibody

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein L. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.