

For Research Use Only

# B3GNT3 Recombinant monoclonal antibody

Catalog Number: 85713-1-RR



## Basic Information

<b>Catalog Number:</b> 85713-1-RR	<b>GenBank Accession Number:</b> BC066876	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10331	<b>CloneNo.:</b> 242979D7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2A9	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Full Name:</b> UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3	
<b>Immunogen Catalog Number:</b> AG12061	<b>Calculated MW:</b> 372 aa, 43 kDa	
	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, NCI-H1299 cells, SH-SY5Y cells, SW 1990 cells, A549 cells, HT-29 cells
<b>Species Specificity:</b> human	

## Background Information

Beta-1,3-N-acetylglucosaminyltransferase 3 (B3GNT3) is a type II transmembrane protein located in the Golgi apparatus and contributes to the regulation of L-selectin ligand function, lymphocyte trafficking, and T cell homing. B3GNT3 is overexpressed in breast cancer, and also plays a critical role in the aggressiveness of pancreatic cancer (PMID: 33718036, 30466404). Western blot analysis detected B3GNT3 at an apparent molecular mass of 43 kDa.

## Storage

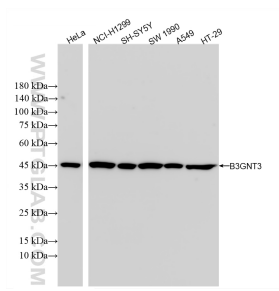
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

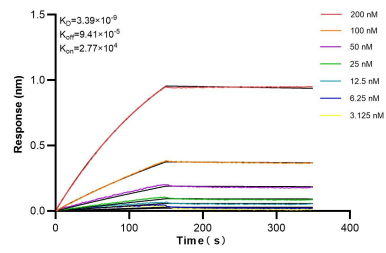
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85713-1-RR (B3GNT3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85637-2-RR against Human B3GNT3 were performed. The affinity constant is 3.39 nM.