

For Research Use Only

# ST6GAL1 Monoclonal antibody, PBS Only

Catalog Number: 68633-1-PBS



## Basic Information

<b>Catalog Number:</b> 68633-1-PBS	<b>GenBank Accession Number:</b> BC040009	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6480	<b>CloneNo.:</b> 1F11G5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P15907	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	
<b>Immunogen Catalog Number:</b> AG6181	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 43-45 kDa, 50-70 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, pig

## Background Information

ST6GAL1 ( $\beta$ -galactoside  $\alpha$ -2-6 sialyl transferase1; also known as ST6N or CD75) is a sialyltransferase mediating the glycosylation of proteins and lipids to form functionally important glycoproteins and glycolipids in the Golgi compartment. It is principally expressed in liver, placenta and skeletal muscle. ST6GAL1 undergoes proteolytic process to generate soluble form from membrane form. Western blot analysis of human liver using this antibody detects both isoforms between 43-50 kDa. Higher molecular weight of bands around 50-70 kDa can also be observed with unknown reason. (PMID: 15049997)

## Storage

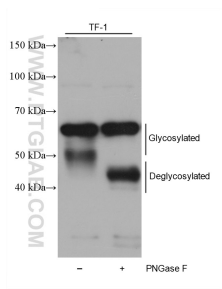
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
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# Selected Validation Data



TF-1 cells were subjected to SDS PAGE followed by western blot with 68633-1-Ig (ST6GAL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68633-1-PBS in a different storage buffer formulation.