

For Research Use Only

# ST6GAL1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87412-4-PBS



## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>87412-4-PBS                       | <b>GenBank Accession Number:</b><br>BC040009                              | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>6480   | <b>CloneNo.:</b><br>251718G3                          |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>P15907  |   |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>ST6 beta-galactosamide alpha-2,6-sialyltransferase 1 |   |
| <b>Immunogen Catalog Number:</b><br>EG5012                  | <b>Calculated MW:</b><br>47 kDa   |   |

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Product Information

87412-4-PBS targets ST6GAL1 as part of a matched antibody pair:

MP02980-2: 87412-4-PBS capture and 87412-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

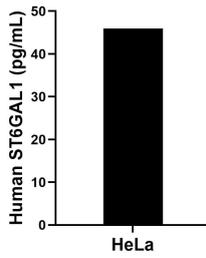
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

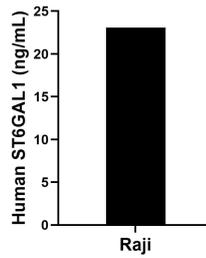
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

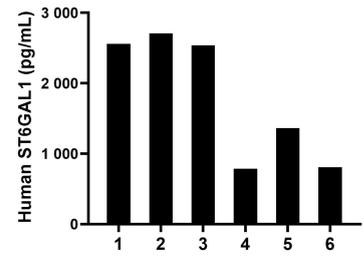
## Selected Validation Data



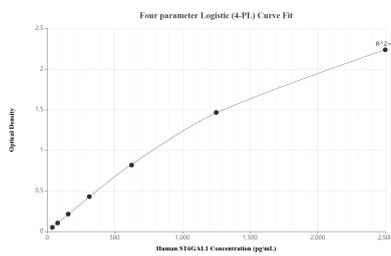
HeLa were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human ST6GAL1, and measured 46.0 pg/mL.



The mean ST6GAL1 concentration was determined to be 23.1 ng/mL in Raji cell extract based on a 1.2 mg/mL extract load.



Plasma of six individual healthy human donors was measured. The ST6GAL1 concentration of detected samples was determined to be 1,794.3 pg/mL with a range of 786.9-2,709.1 pg/mL.



Sandwich ELISA standard curve of MP02980-2, Human ST6GAL1 Recombinant Matched Antibody Pair - PBS only. 87412-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg5012. 87412-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.