

For Research Use Only

ST6GAL1 Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP02980-2

Capture Antibody Information

Catalog Number:
87412-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
251718G3
Reactivity:
human
GenBank:
BC040009
Immunogen Catalog Number:
Eg5012

Conjugate:
Unconjugated
Full name:
ST6 beta-galactosamide alpha-2,6-sialyltransferase 1
Gene ID:
6480

Detection Antibody Information

Catalog Number:
87412-3-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
251718G5
Reactivity:
human
GenBank:
BC040009
Immunogen Catalog Number:
Eg5012

Conjugate:
Unconjugated
Full name:
ST6 beta-galactosamide alpha-2,6-sialyltransferase 1
Gene ID:
6480

Applications

Tested Applications:
Sandwich ELISA

Range:
39.1-2500 pg/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP02980-2 targets ST6GAL1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: ST6GAL1 Recombinant monoclonal antibody, PBS Only (Capture) 87412-4-PBS (251718G3). 100 µg. Concentration 1 mg/mL.

Detection antibody: ST6GAL1 Recombinant monoclonal antibody, PBS Only (Detector) 87412-3-PBS (251718G5). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

For technical support and original validation data for this product please contact:

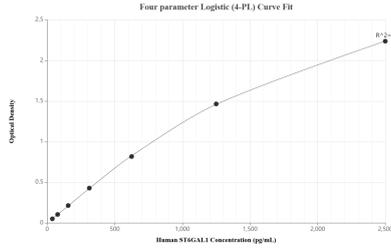
T: 4006900926

E: Proteintech-CN@ptglab.com

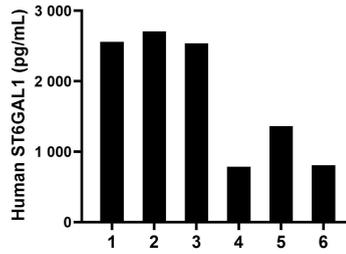
W: ptgcn.com

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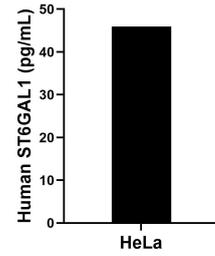
Selected Validation Data



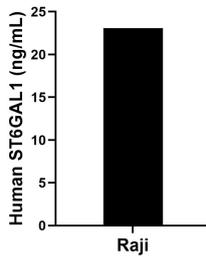
Sandwich ELISA standard curve of MP02980-2, Human ST6GAL1 Recombinant Matched Antibody Pair - PBS only. 87412-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg5012. 87412-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



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



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.