

Anti-GM3 Reference Antibody (racotumomab)

Recombinant Antibody

Catalog # APR10294

Product Information

| | |
|--------------------------|----------------------------|
| Application | FC, Kinetics, Animal Model |
| Primary Accession | Q9UNP4 |
| Reactivity | Human |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 47990 |

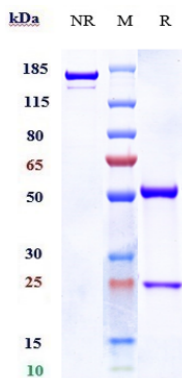
Additional Information

| | |
|---------------------------|--|
| Target/Specificity | GM3 |
| Endotoxin | |
| Conjugation | Unconjugated |
| Expression system | CHO Cell |
| Format | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column. |

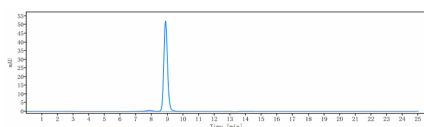
Protein Information

| | |
|--------------------------|--|
| Name | ST3GAL5 |
| Synonyms | SIAT9 |
| Function | Transfers the sialyl group (N-acetyl-alpha-neuraminy) or NeuAc) from CMP-NeuAc to the non-reducing terminal galactose (Gal) of glycosphingolipids forming gangliosides (important molecules involved in the regulation of multiple cellular processes, including cell proliferation and differentiation, apoptosis, embryogenesis, development, and oncogenesis) (PubMed: 16934889 , PubMed: 9822625). Mainly involved in the biosynthesis of ganglioside GM3 but can also use different glycolipids as substrate acceptors such as D- galactosylceramide (GalCer), asialo-GM2 (GA2) and asialo-GM1 (GA1), although less preferentially than beta-D-Gal-(1->4)-beta-D-Glc-(11)- Cer (LacCer) (PubMed: 16934889). |
| Cellular Location | Golgi apparatus membrane; Single- pass type II membrane protein |
| Tissue Location | Ubiquitous. High expression in brain, skeletal muscle, placenta, and testis. mRNA widely distributed in human brain, but slightly elevated expression was observed in the cerebral cortex, temporal lobe, and putamen. |

Images



Anti-GM3 Reference Antibody (racotumomab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-GM3 Reference Antibody (racotumomab) is more than 95% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.