

Anti-ERBB3 / HER3 Reference Antibody (lumretuzumab)

Recombinant Antibody

Catalog # APR10155

Product Information

| | |
|--------------------------|----------------------------|
| Application | FC, Kinetics, Animal Model |
| Primary Accession | P21860 |
| Reactivity | Human |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Calculated MW | 148098 |

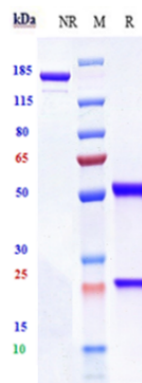
Additional Information

| | |
|---------------------------|--|
| Target/Specificity | ERBB3 / HER3 |
| 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. |

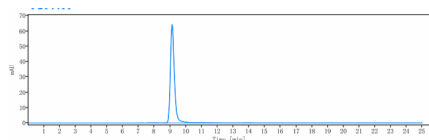
Protein Information

| | |
|--------------------------|---|
| Name | ERBB3 |
| Synonyms | HER3 |
| Function | Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed: 20682778). May also be activated by CSPG5 (PubMed: 15358134). Involved in the regulation of myeloid cell differentiation (PubMed: 27416908). |
| Cellular Location | [Isoform 1]: Cell membrane; Single-pass type I membrane protein |
| Tissue Location | Epithelial tissues and brain. |

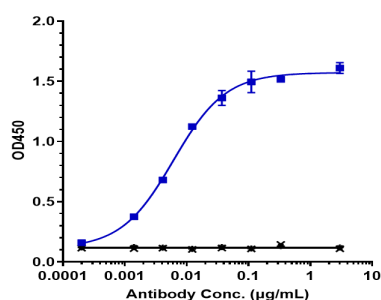
Images



on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-ERBB3 / HER3 Reference Antibody (lumretuzumab) is more than 95%, determined by SEC-HPLC.



Immobilized human HER3 His at 2 µg/mL can bind Anti-ERBB3 / HER3 Reference Antibody (lumretuzumab), $EC_{50}=0.0609 \mu\text{g/mL}$

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