

# Anti-ERBB3 / HER3 Reference Antibody (patritumab)

Recombinant Antibody

Catalog # APR10047

## Product Information

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<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">P21860</a>
<b>Reactivity</b>	Human, Rat
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	148098

## Additional Information

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<b>Target/Specificity</b>	ERBB3 / HER3
<b>Endotoxin</b>	
<b>Conjugation</b>	Unconjugated
<b>Expression system</b>	CHO Cell
<b>Format</b>	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

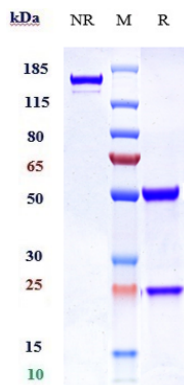
## Protein Information

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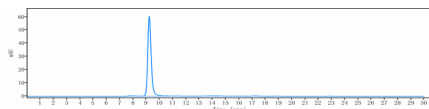
<b>Name</b>	ERBB3
<b>Synonyms</b>	HER3
<b>Function</b>	Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the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

## Images

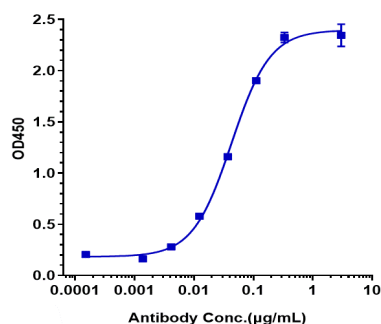
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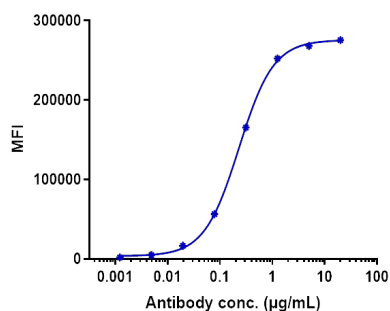
SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-ERBB3 / HER3 Reference Antibody (patritumab) is more than 99.19%, determined by SEC-HPLC.



Immobilized human HER3 His at 2 µg/mL can bind Anti-ERBB3 / HER3 Reference Antibody (patritumab),  $EC_{50}=0.04264$  µg/mL



Human HER3 HEK293 cells were stained with Anti-ERBB3 / HER3 Reference Antibody (patritumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS,  $EC_{99}=0.2297$  µg/mL

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