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Anti-ERBB2 / HER2 / CD340 Reference Antibody (disitamab vedotin)

Recombinant Antibody
Catalog # APR10368

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P04626
Reactivity	Human
Clonality	ADC
Isotype	IgG1
Calculated MW	137910

Additional Information

Target/Specificity	ERBB2 / HER2 / CD340
Endotoxin Conjugation	MMAE
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

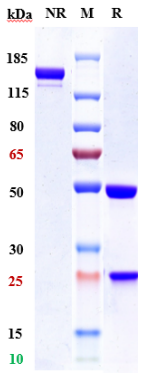
Name	ERBB2
Synonyms	HER2, MLN19, NEU, NGL
Function	Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell projection, ruffle membrane; Single-pass type I membrane protein. Note=Internalized from the cell membrane in response to EGF stimulation. [Isoform 2]: Cytoplasm.

Nucleus.

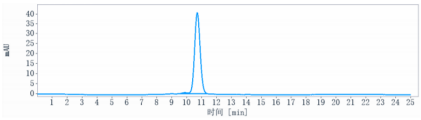
Tissue Location

Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.

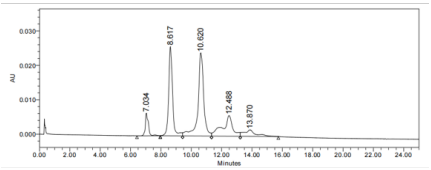
Images



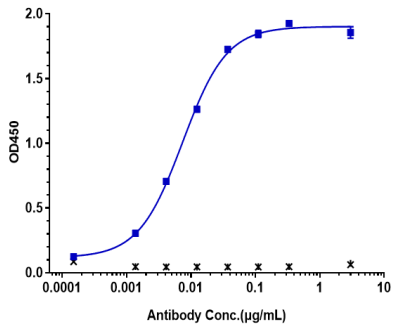
Anti-ERBB2 / HER2 / CD340 Reference Antibody (Disitamab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-ERBB2 / HER2 / CD340 Reference Antibody (Disitamab vedotin) is 98.7%, determined by SEC-HPLC.



The drug-to-antibody ratio (DAR) of the Anti-ERBB2 / HER2 / CD340 Reference Antibody (disitamab vedotin) is 3.8.



Immobilized human HER2 His Tag Protein at 2 ug/mL can bind Anti-ERBB2 / HER2 / CD340 Reference Antibody (Disitamab vedotin),EC50 is 0.007398 ug/mL.

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