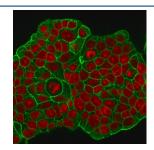


HER-2 Antibody [clone ERB2/776] (V2377)

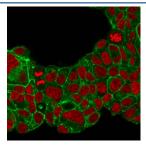
Catalog No.	Formulation	Size
V2377-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2377-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2377SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

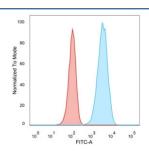
Species Reactivity	Human	
Format	Purified	
Clonality	Monoclonal (mouse origin)	
Isotype	Mouse IgG1, kappa	
Clone Name	ERB2/776	
Purity	Protein G affinity chromatography	
Buffer	1X PBS, pH 7.4	
Gene ID	2064	
Localization	Extracellular/Intracellular cell membrane (this mAb is binds to the intracellular portion of the protein)	
Applications	ELISA: order BSA/sodium azide-free format for coating Flow Cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml	
Limitations	This HER-2 antibody is available for research use only.	



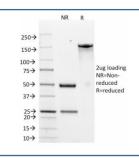
Immunofluorescent staining of MeOH-fixed human MCF7 cells with HER-2 antibody (clone ERB2/776, green) and Reddot nuclear stain (red).



Immunofluorescent staining of PFA-fixed human MCF7 cells with HER-2 antibody (clone ERB2/776, green) and Reddot nuclear stain (red).



Flow cytometry testing of permeabilized human MCF7 cells with HER-2 antibody (clone ERB2/776); Red=isotype control, Blue= HER-2 antibody.



SDS-PAGE analysis of purified, BSA-free HER-2 antibody (clone ERB2/776) as confirmation of integrity and purity.

Description

ErbB2, also called HER2, is a member of the EGFR family. Receptors of this family are located on the plasma membrane and consist of an extracellular ligand-binding domain that is connected to a large intracellular domain by a single transmembrane sequence. This ErbB2 antibody shows minimal cross-reaction with other members of the family. The protein is over-expressed in a variety of carcinomas especially those of breast and ovary.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the HER-2 antibody to be titered up or down for optimal performance.

- 1. FFPE staining requires boiling tissue sections in 10mM Citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.
- 2. This HER2 antibody is specific to the intracellular region of the protein.

Immunogen

Recombinant human protein (intracellular domain) was used as the immunogen for this HER-2 antibody. (2)

Storage

Store the HER-2 antibody at 2-8oC.

Alternate Names

p185, CD340, Verb b2 Erythroblastic Leukemia Viral Oncogene Homolog 2, ErbB2 antibody, Neuro/Glioblastoma Derived Oncogene Homolog, HER2 antibody

References (3)