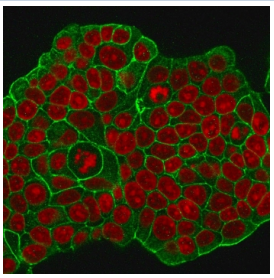
HER-2 Antibody [clone ERB2/776] (V2377)

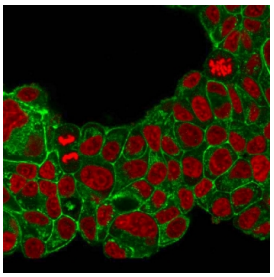
Catalog No.	Formulation	Size
V2377-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2377-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2377SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

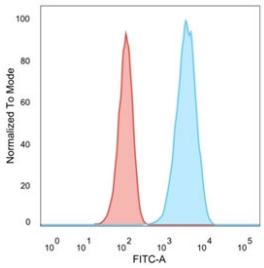
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ERB2/776
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	2064
Localization	Extracellular/Intracellular cell membrane (this mAb is binds to the intracellular 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.



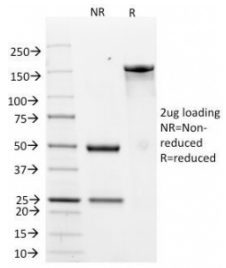
Immunofluorescent staining of MeOH-fixed human MCF7 cells with HER-2 antibody (clone ERB2/776, green) and Reddot nuclear stain (red).



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.

For broad detection of HER2 (ErbB2) as a receptor tyrosine kinase, see our HER2 antibody.

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)

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