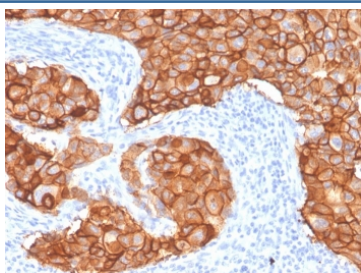


## Recombinant HER2 Antibody / Extracellular region [clone ZR5] (V8632)

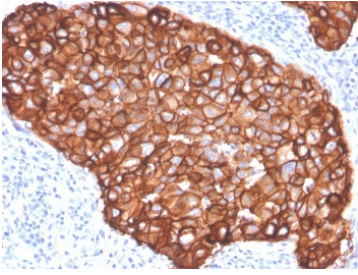
| Catalog No.    | Formulation  | Size   |
|----------------|--|--------|
| V8632-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8632-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V8632SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

### Bulk quote request

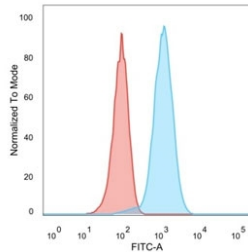
|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human  |
| <b>Format</b>             | Purified   |
| <b>Host</b>               | Rabbit   |
| <b>Clonality</b>          | Rabbit Monoclonal  |
| <b>Isotype</b>            | Rabbit   |
| <b>Clone Name</b>         | ZR5  |
| <b>Purity</b>             | Protein A affinity chromatography  |
| <b>UniProt</b>            | P04626   |
| <b>Localization</b>       | Cell surface   |
| <b>Applications</b>       | Flow Cytometry : 1-2ug/million cells<br>Immunofluorescence : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT |
| <b>Limitations</b>        | This recombinant HER2 antibody is available for research use only.   |



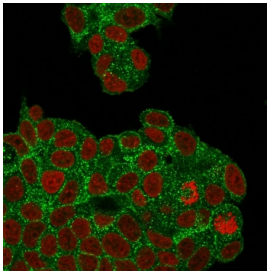
IHC staining of FFPE human breast carcinoma with HER2 antibody (clone ZR5). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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Flow cytometry testing of PFA-fixed human MCF7 cells with HER2 antibody (clone ZR5); Red=isotype control, Blue= HER2 antibody.



Immunofluorescent staining of PFA-fixed human MCF7 cells with HER2 antibody (clone ZR5, green) and Phalloidin (red).

## Description

Recognizes a protein of 185kDa, which is identified as c-erbB-2/HER-2/neu. Its epitope is localized in the extracellular domain. C-erbB-2/HER-2 is a member of the EGFR family. This MAb is specific and shows minimal cross-reaction with other members 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. c-erbB-2/HER-2 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

Optimal dilution of the recombinant HER2 antibody should be determined by the researcher.

## Immunogen

A recombinant protein encoding the extracellular domain of human c-erbB2 was used as the immunogen for the recombinant HER2 antibody.

## Storage

Store the recombinant HER2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

