

## 36-2235: Anti-HER-2 / c-erbB-2 / neu / CD340 Monoclonal Antibody(Clone: HRB2/718)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	HRB2/718
<b>Application :</b>	ELISA,FACS,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	ERBB2
<b>Gene ID :</b>	2064
<b>Uniprot ID :</b>	P04626
<b>Alternative Name :</b>	p185, CD340, Verb b2 Erythroblastic Leukemia Viral Oncogene Homolog 2, Neuro/Glioblastoma Derived Oncogene Homolog
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant extracellular domain of human HER-2 protein

### 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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

ELISA (For coating, order antibody without BSA); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

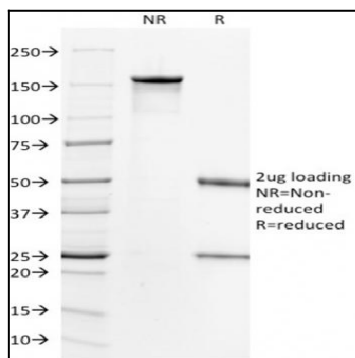


Fig. 1: SDS-PAGE Analysis Purified HER-2 Mouse Monoclonal Antibody (HRB2/718). Confirmation of Integrity and Purity of Antibody.

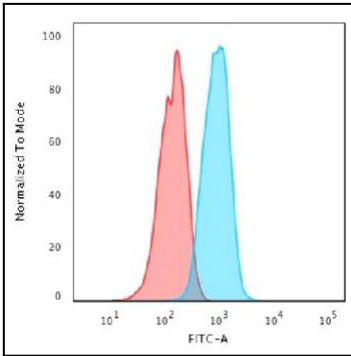


Fig. 2: Flow Cytometric Analysis of human MCF-7 cells. HER-2 Mouse Monoclonal Antibody (HRB2/718) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).

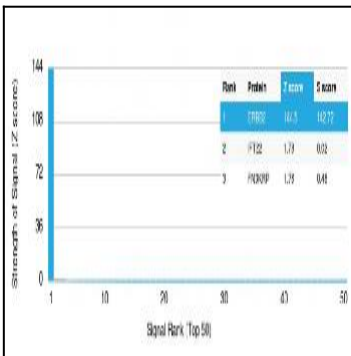


Fig. 3: Analysis of Protein Array containing more than 19,000 full-length human proteins using HER-2 Mouse Monoclonal Antibody (HRB2/718) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.