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

Clonality :	Monoclonal
Clone Name :	HRB2/718
Application :	ELISA,FACS,IF
Reactivity :	Human
Gene :	ERBB2
Gene ID :	2064
Uniprot ID :	P04626
Alternative Name :	p185, CD340, Verb b2 Erythroblastic Leukemia Viral Oncogene Homolog 2, Neuro/Glioblastoma Derived Oncogene Homolog
Isotype :	Mouse IgG1, kappa
Immunogen Information :	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

Amount :	20 µg / 100 µg
Content :	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.
Storage condition :	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);

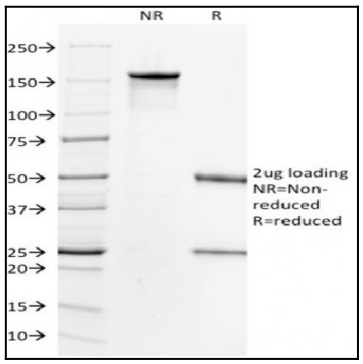

Fig. 1: SDS-PAGE Analysis Purified HER-2 Mouse Monoclonal Antibody (HRB2/718). Confirmation of Integrity and Purity of Antibody.

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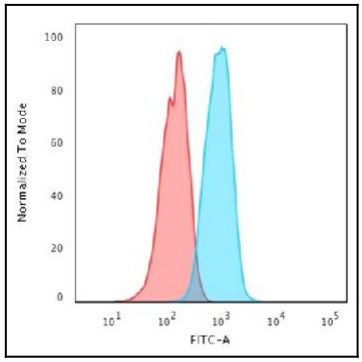

Fig. 2: Flow Cytometric Analysis of human MCF-7 cells. HER-2 Mouse Monoclonal Antibody (HRB2/718) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).

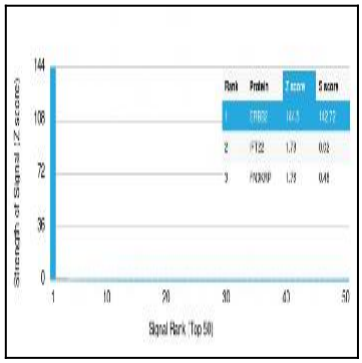

Fig. 3: Analysis of Protein Array containing more than 19,000 full-length human proteins using HER-2 Mouse Monoclonal Antibody (HRB2/718) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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.