

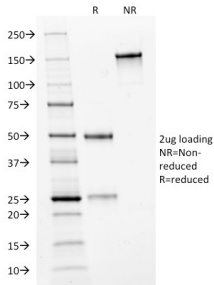
Anti-HER2 Antibody [HRB2/282] (A248454)

Specifications:

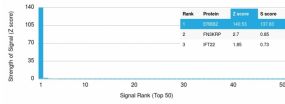
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|------------------------|--|
| Name: | Anti-HER2 Antibody [HRB2/282] |
| Description: | Mouse monoclonal [HRB2/282] antibody to HER2. |
| Specificity: | This antibody recognizes a protein of 185kDa, which is identified as c-erbB-2/HER-2/neu. Its epitope 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. |
| Applications: | ELISA, Flow Cytometry, IF |
| Recommended Dilutions: | Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml |
| Reactivity: | Human |
| Immunogen: | Recombinant extracellular domain of human HER-2 protein. |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Clone ID: | HRB2/282 |
| Isotype: | IgG1 |
| Light Chains: | kappa |
| Conjugate: | Unconjugated |
| Purification: | Protein A/G chromatography. |
| Concentration: | 200 µg/ml |
| Product Form: | Liquid |
| Formulation: | Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide. |
| Storage: | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| General Notes: | This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-HER2 Antibody [HRB2/282] - BSA and Azide free (A251636). |
| Disclaimer: | This product is for research use only. It is not intended for diagnostic or therapeutic use. |

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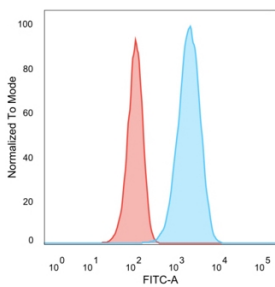
Images:



SDS-PAGE analysis of Anti-HER2 Antibody [HRB2/282] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



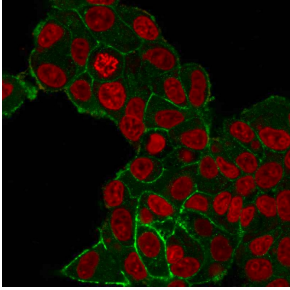
Analysis of protein array containing more than 19,000 full-length human proteins using Anti-HER2 Antibody [HRB2/282]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces 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 MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.



Flow cytometric analysis of trypsinized PFA fixed MCF-7 cells using Anti-HER2 Antibody [HRB2/282] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).

Anti-HER2 Antibody [HRB2/282] (A248454)

Images continued:



Immunofluorescent analysis of PFA fixed MCF-7 cells stained with Anti-HER2 Antibody [HRB2/282] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Nuclear counterstain is RedDot.