

EGFR (Epidermal Growth Factor Receptor) Antibody

Mouse Monoclonal Antibody [Clone H9B4]

Catalog No	Format	Size
1956-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1956-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1956-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

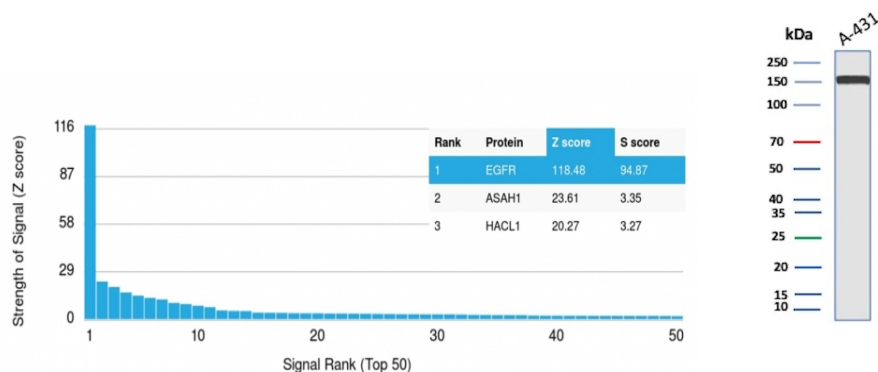
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	H9B4
Gene Name	EGFR
Immunogen	Purified EGFR from A431 cells.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~170kDa (wild type) and ~145kDa (VIII variant)
Cellular Localization	Cell membrane, Endoplasmic reticulum membrane, Endosome, Endosome membrane, Golgi apparatus membrane, Nucleus, Nucleus membrane, Secreted
Species Reactivity	Human
Positive Control	A431 cells, Breast or Bladder cancer.

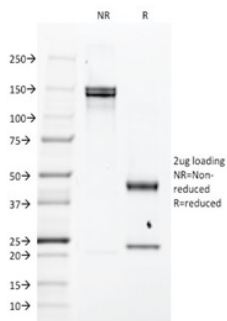
*Optimal dilution for a specific application should be determined.

Product Images for EGFR (Epidermal Growth Factor Receptor) Antibody



Analysis of Protein Array containing more than 19,000 full-length human proteins using EGFR Mouse Monoclonal Antibody (H9B4) 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 be 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.

Western Blot Analysis of A431 cell lysate using EGFR Mouse Monoclonal Antibody (H9B4)



SDS-PAGE Analysis of Purified EGFR Mouse Monoclonal Antibody (H9B4).
Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

This MAb reacts with a cytoplasmic domain of EGFR. EGFR is a type I receptor tyrosine kinase with sequence homology to erbB-1, -2, -3 -4 or HER-1, -2, -3 -4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor- α (TGF- α), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin epiregulin.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Research Areas

AKT Signaling, Autophagy, Bladder Cancer, Breast Cancer, Cancer, Cardiovascular, Colon Cancer, Developmental Biology, Infectious Disease, MAPK Signaling, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.