Product Datasheet

EGFR Antibody (GFR450)
NBP2-29440

Unit Size: 0.1 mg

Store at 4C.

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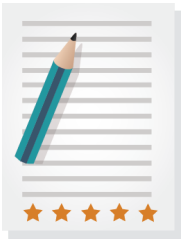


NBP2-29440

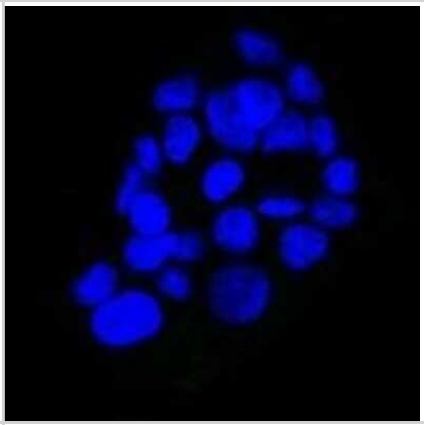
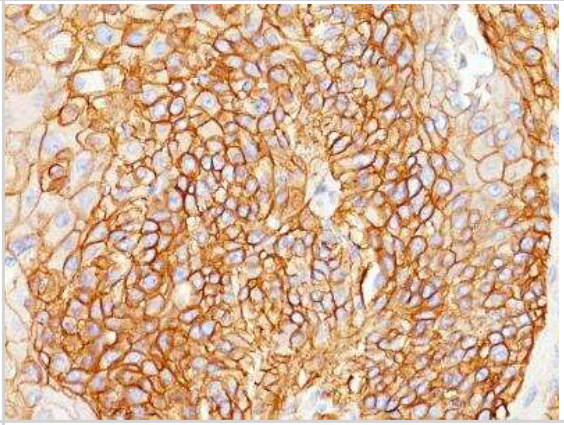
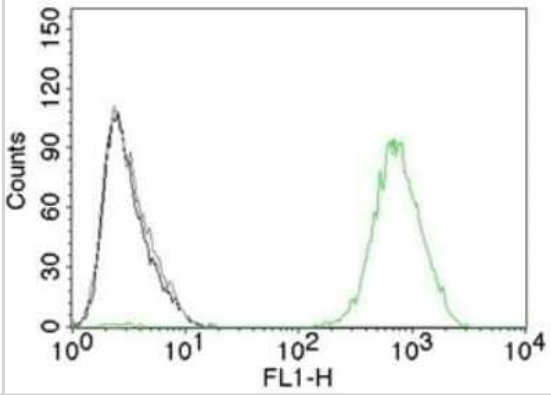
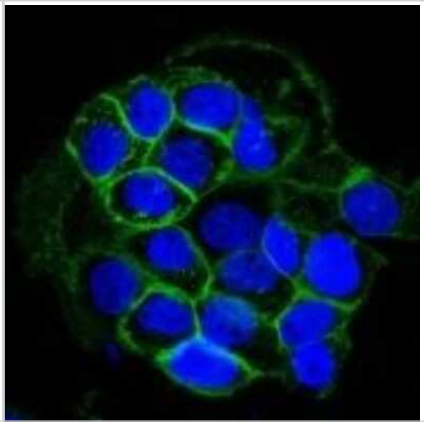
EGFR Antibody (GFR450)

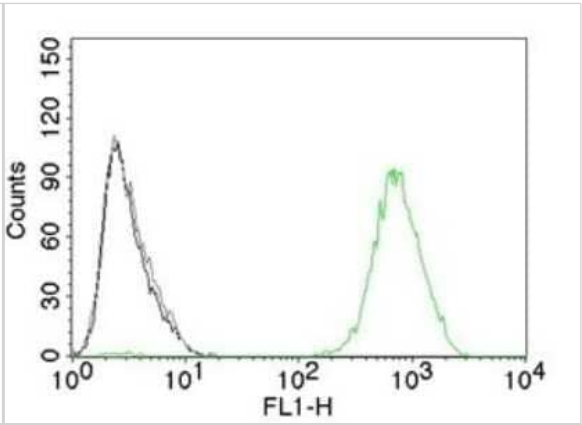
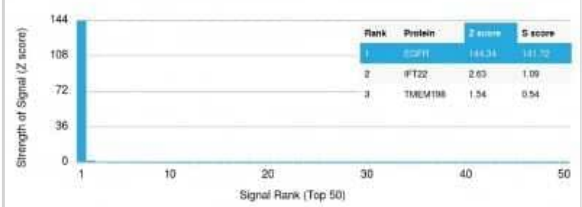
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	GFR450
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1mg/ml. (NBP2-33068) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	1956
Gene Symbol	EGFR
Species	Human, Mouse (Negative)
Reactivity Notes	Does not react with Mouse.
Specificity/Sensitivity	This monoclonal antibody recognizes a protein of 170kDa, identified as EGFR. EGFR is 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-a (TGF-a), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin. EGFR is overexpressed in tumors of breast, brain, bladder, lung, gastric, head neck, esophagus, cervix, vulva, ovary, and endometrium. It is predominantly present in squamous cell carcinomas.
Immunogen	Recombinant extracellular domain of human EGFR protein (Uniprot: P00533)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, Immunofluorescence
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.5-1.0ug/ml, Protein Array, Immunofluorescence 1-2ug/ml
Application Notes	Optimal dilution for a specific application should be determined.

Images

Immunocytochemistry/Immunofluorescence: EGFR Antibody (GFR450) [NBP2-29440] - Confocal Immunofluorescent analysis of A431 cells using AF488-labeled Isotype Control Monoclonal Antibody (IgG2a) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control).	
Immunohistochemistry-Paraffin: EGFR Antibody (GFR450) [NBP2-29440] - Formalin-fixed, paraffin-embedded squamous cell carcinoma stained with EGFR Ab (GFR450).	
Flow Cytometry: EGFR Antibody (GFR450) [NBP2-29440] - Flow Cytometry of human EGFR on A431 cells. Black: cells alone; Grey: Isotype Control; Green: AF488-labeled EGFR antibody (GFR450).	
Immunocytochemistry/Immunofluorescence: EGFR Antibody (GFR450) [NBP2-29440] - Confocal Immunofluorescent analysis of A431 cells using AF488-labeled EGFR Monoclonal Antibody (GFR450) (Green). DAPI was used to stain the cell nuclei (blue).	

Flow Cytometry: EGFR Antibody (GFR450) [NBP2-29440] - Flow Cytometry of human EGFR on A431 cells. Black: cells alone; Grey: Isotype Control; Green: AF488-labeled EGFR Antibody (GFR450).	
Protein Array: EGFR Antibody (GFR450) [NBP2-29440] - Analysis of Protein Array containing more than 19,000 full-length human proteins using EGFR Antibody (GFR450). Z- 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(TM) 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 (TM) 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 specific to its intended target, if the MAb has an S-score of at least 2.5.	

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Products Related to NBP2-29440

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-52953PEP	EGFR Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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