

Product Datasheet

EGFR Antibody (Matuzumab) [Alexa Fluor® 647] - Chimeric NBP2-52685AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-52685AF647

EGFR Antibody (Matuzumab) [Alexa Fluor® 647] - Chimeric

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	Matuzumab
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Conjugate	Alexa Fluor 647
Purity	Protein A purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rabbit
Gene ID	1956
Gene Symbol	EGFR
Species	Human
Reactivity Notes	Human
Specificity/Sensitivity	This antibody binds the extracellular domain III of the human EGFR and does not cross react with murine EGFR. It was also reported that residues S460/G461 in EGFR domain III are essential components of the epitope. This antibody binds at a site distinct from the EGF binding site, preventing conformational re-arrangement required for dimerization. This antibody can only recognize the active form of EGFR. The antibody binds to both glyco- and aglyco receptor forms.
Immunogen	The parental mouse antibody was generated by immunizing BALB/c mice intraperitoneally with A431 cells in phosphate buffered saline (PBS). Later on the humanized version of the antibody was created by grafting CDRs of the murine antibody onto human constant regions.



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Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Block/Neutralize, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunocytochemistry/Immunofluorescence, CyTOF-ready, Block/Neutralize
Application Notes	Optimal dilution of this antibody should be experimentally determined.



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Products Related to NBP2-52685AF647

NBP1-84814PEP	EGFR Recombinant Protein Antigen
236-EG-200	EGF [Unconjugated]
DYC1095B-2	EGFR [Biotin]
DVE00	VEGF [HRP]

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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