

EGFR recombinant antibody

Anti-EGFR [Matuzumab]

CATALOG # AAA71959	REACTIVITY Human	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
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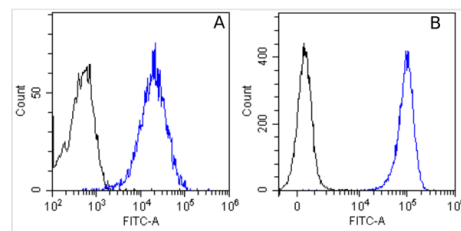
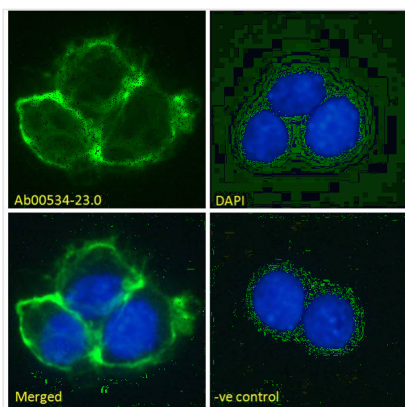
PRODUCT SYNONYMS

EGFR; Anti-EGFR [Matuzumab]; Epidermal Growth Factor Receptor; mAb425; EGFR recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Isotype	Rabbit IgG, kappa
Specificity	Binds to human EGFR.
Purity/Purification	Protein A Affinity Purified
Sequence Length	10
Applicable Applications for EGFR recombinant antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), Blocking
Buffer Composition	PBS only with 0.02% Proclin 300.
Immunogen	Domain III of the extracellular domain of human EGRF.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow-cytometry using the anti-EGFR antibody Matuzumab HeLa (A) and A431 (B) cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of Matuzumab at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using an anti-rabbit IgG JK (FITC-conjugate) antibody (129936) at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.

IF (Immunofluorescence)

Immunofluorescence staining of fixed A431 cells with anti-EGFR antibody Matuzumab
Immunofluorescence analysis of unpermeabilised paraformaldehyde fixed A431 cells on Shi-fix™ coverslips stained with the chimeric rabbit version of Matuzumab at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was stained with unimmunised rabbit IgG followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for EGFR recombinant antibody	Recombinant monoclonal antibody to EGFR. Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the therapeutic antibody Matuzumab. This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Product Categories/Family for EGFR recombinant antibody	Biosimilar; Cancer
References	Murthy et al. Binding of an antagonistic monoclonal antibody to an intact and fragmented EGF-receptor polypeptide. Arch Biochem Biophys. 1987 Feb 1; 252(2):549-60. PMID:2434025

NCBI AND UNIPROT INFORMATION

NCBI GI #	8815559
NCBI Official Full Name	epidermal growth factor receptor, partial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-recombinant-antibody/egfr/71959>