

EGFR recombinant antibody

Anti-EGFR [S3 12D]

CATALOG #	REACTIVITY	APPLICATIONS
AAA71995	Human	Immunofluorescence, Immunocytochemistry, Western Blot, Immunohistochemistry, ELISA

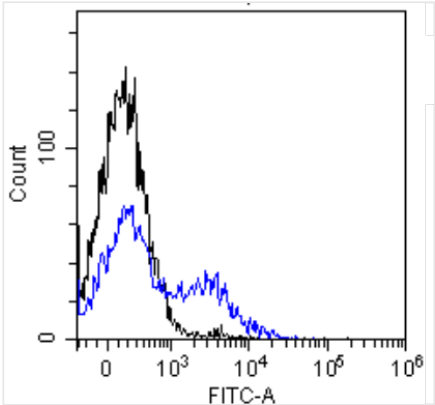
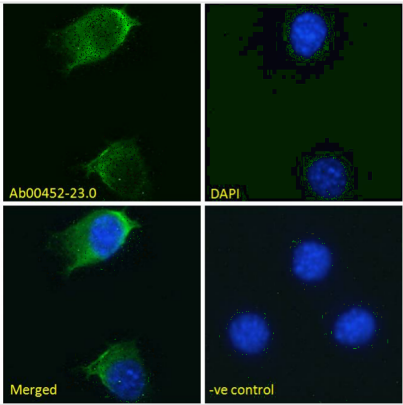
PRODUCT SYNONYMS

EGFR; Monoclonal Recombinant Antibody; Anti-EGFR [S3 12D]; Epidermal growth factor receptor; ERBB; ERBB1; HER1; mENA; PIG61; NISBD2; EGFR recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, Kappa
Clone Number	S3 12D
Purity/Purification	Protein A Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	1210
Applicable Applications for EGFR recombinant antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	Human EGFR.
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse scFv antibody fragment format, for improved compatibility with existing reagents, assays and techniques.
Labeled Substance	None
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of fixed NIH3T3 cells with anti-EGFR antibody S3 12D
Immunofluorescence analysis of unpermeabilised paraformaldehyde fixed NIH3T3 cells on Shi-fix coverslips stained with the chimeric rabbit version of S3 12D 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.

FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-EGFR S3 12D Mouse splenocytes were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of S3 12D at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using anti-rabbit IgG JK (FITC-conjugate) antibody (129936) at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for EGFR recombinant antibody	Recombinant monoclonal antibody to EGFR. Manufactured using a proprietary Recombinant Platform with variable regions (i.e. specificity) from the scFv S3 12D. Human EGFR.
Product Categories/Family for EGFR recombinant antibody	Immunology; Oncology; Signalling
References	Kettleborough et al. Isolation of tumor cell-specific single-chain Fv from immunized mice using phage-antibody libraries and the re-construction of whole antibodies from these antibody fragments. Eur. J. Immunol. 24 (4), 952-958 (1994) PMID:8149964

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2
NCBI GenBank Nucleotide #	NM_005228.5
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	44,664 Da
NCBI Official Full Name	epidermal growth factor receptor isoform a
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	EGFR
NCBI Official Synonym Symbols	ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
NCBI Protein Information	epidermal growth factor receptor
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	EGFR
UniProt Synonym Gene Names	ERBB; ERBB1; HER1

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/monoclonal/egfr-recombinant-antibody-clone-s3-12d-immunofluorescence-immunocytochemistry-western-blot-immunohistochemistry-elisa/71995>