EGFR Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	EGFR, Monoclonal Antibody
Full Product Name	Mouse Monoclonal Antibody to EGFR mutant (L858R)
Product Gene Name	anti-EGFR antibody
Product Synonym Names	ERBB; HER1; mENA; ERBB1; PIG61
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5G9B5
Host	Mouse
Molecular Weight	175kDa
3D Structure	ModBase 3D Structure for P04412
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EGFR antibody	Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-EGFR antibody	Western blot using Recombinant protein Western blot using Transfection expressed protein Western blot using Cell lysate
Related Product Information for anti-EGFR antibody	MBS8527770 is an antibody targeting EGFR. Also known as Mouse Monoclonal Antibody to EGFR mutant (L858R). Host: Mouse.
Other Notes	Small volumes of anti-EGFR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EGFR. It may not necessarily be applicable to this product.

NCBI GI #	17136536
NCBI GeneID	37455
NCBI Accession #	NP_476759.1
UniProt Primary Accession #	P04412
UniProt Secondary Accession #	O18370; O61601; P81868; Q9W2G0
GenBank Nucleotide #	NM_057411.4
NCBI Official Full Name	epidermal growth factor receptor, isoform B
NCBI Official Synonym Full Names	Epidermal growth factor receptor
NCBI Official Symbol	Egfr

NCBI Official Synonym Symbols	C-erb; c-erbB; CG10079; D-Egf; d-egf-r; D-EGFR; degfr; dEgfr; dEGFr; dEGFR; Degfr; DEgfr; DEGFR; dEGFR1; der; Der; DER; DER flb; DER/EGFR; DER/top; DER/torpedo; DER1; DmelCG10079; DmHD-33; EC2-4; EFG-R; Egf; Egf-r; EGF-R; egfr; EgfR; EGfr; EGFr; EGFR; EK2
UniProt Protein Name	Epidermal growth factor receptor
UniProt Synonym Protein Names	Drosophila relative of ERBB; Gurken receptor; Protein torpedo
Protein Family	Epidermal growth factor receptor
UniProt Gene Name	Egfr
UniProt Synonym Gene Names	c-erbB; DER; top; Egfr
NCBI Protein Information	epidermal growth factor receptor
UniProt Comments for EGFR	Binds to four ligands: Spitz, Gurken, Vein and Argos, which is an antagonist. Transduces the signal through the ras-raf-MAPK pathway. Involved in a myriad of developmental decisions. Critical for the proliferation of imaginal tissues, and for the determination of both the antero-posterior and dorso-ventral polarities of the oocyte. In the embryo, plays a role in the establishment of ventral cell fates, maintenance of amnioserosa and ventral neuroectodermal cells, germ band retraction, cell fate specification in the central nervous system and production of cuticle. Required for embryonic epithelial tissue repair.
Research Articles on EGFR	**1.** Graf functions to downregulate EGFR signaling.
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