Anti-EGFR [L2 1C] Standard Size Ab00453-1.1

This reformatted mouse 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.

Isotype and Format: Mouse IgG1, Kappa
Clone Number: L2 1C
Alternative Name(s) of Target: Epidermal growth factor receptor; ERBB; ERBB1; mENA; PIG61; NISBD2
UniProt Accession Number of Target Protein: P00533
Published Application(s): WB, ELISA, FC
Published Species Reactivity: Human
Immunogen: Human EGFR.
Specificity:
Application Notes: The antibody binds specifically to EGFR, a cell-surface receptor which is part of the ErbB family of receptors. The EGFR is a receptor tyrosine kinase, which, upon activation by its ligands, such as epidermal growth factor and transforming growth factor alpha, triggers signal transduction pathways that increase cell migration, adhesion and proliferation. Mutations that lead to the overexpression of EGFR are associated with the development of cancer. The antibody was prepared from phage antibodies isolated from the lymph node library.
Antibody First Published in: 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
Note on publication: Describes the phage-antibody technology, which is used to produce three phage-antibody libraries from which mouse anti-EGFR scFv antibodies are generated. The libraries are prepared from the spleen, lymph node and in vitro cells of an immunized mouse. The antibodies produced are compared with a mouse mAb, 425, isolated by standard hybridoma technology.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

20^{o}C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.