

Datasheet: MCA6370

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|----------------------|----------------------------------|
| Description: | RABBIT ANTI EGF R (L858R MUTANT) |
| Specificity: | EGF R (L858R MUTANT) |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | RM380 |
| Isotype: | IgG |
| Quantity: | 0.1 ml |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Immunohistology - Paraffin | ▪ | | | 1/100 - 1/200 |
| Western Blotting | ▪ | | | 1/1000 - 1/2000 |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

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|--------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative | 0.09% Sodium Azide |
| Stabilisers | 1% Bovine Serum Albumin 50% Glycerol |
| Immunogen | A peptide corresponding to the the EGF R L858R mutant |
| External Database Links | UniProt: |

Entrez Gene:

[1956](#) EGFR [Related reagents](#)

Synonyms ERBB1

Specificity **Rabbit anti EGF R (L858R mutant) antibody** recognizes epidermal growth factor receptor (EGF R), also known as ERBB1 and HER1, mutated at the residue L858R.

EGF R is a member of the ErbB family of receptor tyrosine kinases (RTKs) involved with activation of multiple signaling pathways including Ras/MAPK, PI3K/AKT, and PKC signaling ([Sigismund et al. 2018](#)). The EGF R plasma membrane receptor achieves this effect by binding to a range of extracellular growth factors, undergoing a conformational change, and transducing intracellular signaling ([Liu et al. 2017](#)). EGF R was one of the first identified oncogenes, and overexpression of EGF R has been reported in many human malignancies. The EGF R inhibitors gefitinib and erlotinib are used for treatment of advanced non-small cell lung cancer (NSCLC) ([Bethune et al. 2010](#)). The L858R activating mutation is a single-point substitution mutation in EGF R and is common in NSCLC. It is associated with decreased sensitivity to gefitinib and erlotinib ([Gazdar, 2010](#)).

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6370>
10048

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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