

Datasheet: VMA00752

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| Description: | MOUSE ANTI EGF RECEPTOR (pTyr1173) |
| Specificity: | EGF R (pTyr1173) |
| Other names: | ERBB, ERBB1, HER1 |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Isotype: | IgG1 |
| Quantity: | 100 µl |

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 |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

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| Target Species | Human |
| Product Form | Purified IgG - Liquid |
| Preparation | Mouse monoclonal antibody purified by thiophilic adsorption and size exclusion chromatography from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative | 0.09% Sodium Azide |
| Stabilisers | PEG & Sucrose |
| Immunogen | Phosphopeptide conjugate to KLH |
| External Database Links | UniProt: |

[P00533](#) [Related reagents](#)

Entrez Gene:

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

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| Synonyms | ERBB1 |
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| Specificity | Mouse anti EGF receptor antibody recognizes the epidermal growth factor receptor, also known as proto-oncogene c-ErbB-1 or receptor tyrosine-protein kinase erbB-1, when phosphorylated at threonine 1173. EGF R plays a role in numerous cellular processes such as cell proliferation and apoptosis through the activation of downstream signaling pathways (Scaltriti and Baselga 2006). EGF R is autophosphorylated at tyrosine 1173 upon ligand binding (Downward et al. 1985). PRMT5- mediated EGF R arginine 1175 methylation modulates EGF R autophosphorylation on tyrosine 1173 (Hsu et al. 2011). EGF R phosphorylation on tyrosine 1173 correlates with a poor prognosis in oral squamous cell carcinomas (OSCC) (Monteiro et al. 2014). |
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| Western Blotting | Mouse anti EGF receptor (pTyr1173) detects a band of approximately 175 kDa in A431 pervanadate-treated A431 (treated lysate) cell lysates |
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| Storage | Store undiluted at -20°C, avoiding repeated freeze thaw cycles |
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| Guarantee | 12 months from date of despatch |
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| Acknowledgements | PrecisionAb is a trademark of Bio-Rad Laboratories. |
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| Health And Safety Information | Material Safety Datasheet documentation #20403 available at: https://www.bio-rad-antibodies.com/SDS/VMA00752 Antibody (20403) |
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|-------------------|----------------------------|
| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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)

'M377155:210212'

Printed on 13 Aug 2023