

Datasheet: MCA6323

BATCH NUMBER 161938

Description:	RABBIT ANTI EGF RECEPTOR
Specificity:	EGF R
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM294
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	▪			1/200 - 1/500

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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography of 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 C-terminus of Human EGF Receptor
External Database	UniProt:

Links[P00533](#) [Related reagents](#)**Entrez Gene:**[1956](#) EGFR [Related reagents](#)**Synonyms**

ERBB1

Specificity

Rabbit anti Human EGF Receptor antibody recognizes epidermal growth factor receptor (EGFR), also known as ERBB, ERBB1, HER1. EGFR is a 1210 amino acid single pass type 1 ~170 kDa transmembrane glycoprotein and is a member of the ErbB family of receptor tyrosine kinases. EGFR is the cell surface receptor for members of the EGF family, and functions in early embryonic development and in the renewal of stem cells in tissues such as the skin, liver and gut ([Wee and Wang 2017](#)). EGFR also plays roles in regulation of autophagy and metabolism following cellular or environmental stress ([Sigismund et al. 2018](#)). Mutations to EGFR have been found in many human carcinomas including breast, brain, lung, and colon ([Garcia de Palazzo et al. 1993](#)), and in diverse cancer types, EGFR overexpression is associated with a poor prognosis. Cancer therapies targeting EGFR can include monoclonal antibodies, tyrosine kinase inhibitors, PI3K inhibitors, and antisense gene therapy ([Xu et al. 2018](#)).

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/MCA6323>
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](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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