

Datasheet: MCA6102

BATCH NUMBER 163349

Description:	HUMAN ANTI EGF RECEPTOR (CETUXIMAB BIOSIMILAR)
Specificity:	EGF R
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C225
Isotype:	IgG1
Quantity:	0.2 mg

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
ELISA	▪			

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	Human IgG1 (kappa) antibody - liquid
Preparation	Purified recombinant IgG prepared by affinity chromatography on Protein A from a mammalian cell line
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Proclin 300
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human EGF R

**External Database
Links**

UniProt:

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

Entrez Gene:

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

Synonyms

ERBB1

Specificity

Human Anti-EGF R Antibody, clone C225 is a research grade biosimilar of the monoclonal antibody drug cetuximab. This product is supplied in a research grade format, i.e. in PBS buffer with preservative, it is not manufactured or formulated in the same way as the therapeutic reference product. A preservative free version is available [on request](#).

This product is a recombinant human IgG1 kappa antibody with variable regions from the therapeutic antibody cetuximab.

Human Anti-EGF R Antibody is for research use only. It is suitable as a reference standard in a pharmacokinetic (PK) bridging ELISA with anti-cetuximab antibodies, for example [HCA220](#) and [HCA221P](#). It can also be used as capture and detection reagent in an anti-drug antibody (ADA) bridging ELISA, with an anti-cetuximab antibody in IgG1 format as reference standard, for example [HCA221](#).

Cetuximab (Erbix) is a chimeric monoclonal antibody drug (IgG1/kappa) approved for treatment of KRAS wild-type metastatic colorectal cancers and squamous cell carcinoma of the head and neck. This therapeutic antibody is directed against EGFR and inhibits tumor cell proliferation by blocking the interaction of epidermal growth factor (EGF) with its receptor.

This product is NOT FOR THERAPEUTIC USE.

[View a summary of supporting anti-cetuximab antibody products](#)

Purity

>98% by SDS PAGE

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #20463 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6102>
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Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[HISPEC ASSAY DILUENT \(BUF049A\)](#)

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)

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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

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