

Datasheet for ABIN5668060

**Recombinant anti-EGFR (Matuzumab Biosimilar) antibody  
(Extracellular Domain)**[Go to Product page](#)**3** Images

## Overview

Quantity:	200 µg
Target:	EGFR (Matuzumab Biosimilar)
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Human
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This EGFR (Matuzumab Biosimilar) antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Blocking Reagent (BR)

## Product Details

Immunogen:	The parental mouse antibody was generated by immunizing BALB/c mice intraperitoneally with A431 cells in phosphate buffered saline (PBS). Later on the humanized version of the antibody was created by grafting CDRs of the murine antibody onto human constant regions.
Isotype:	IgG1 kappa
Specificity:	Binds to human EGFR.
Characteristics:	OriginalSpeciesName: Human OriginalFormat: IgG1
Purification:	Purified antibody.
Purity:	> 98 % as determined by SDS-PAGE

## Product Details

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Endotoxin Level: Endotoxin is < 1.0 EU/mg as determined by the LAL method

## Target Details

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Target: EGFR (Matuzumab Biosimilar)

Abstract: [EGFR \(Matuzumab Biosimilar\) Products](#)

Background: ErbB-1, ERBB1, HER1, EGF, Epidermal growth factor receptor, Proto-oncogene c-ErbB-1, Receptor tyrosine-protein kinase erbB-1, EMD72000, mAb425, 425, mAb 425

UniProt: [P00533](#)

## Application Details

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Application Notes: This antibody binds to human EGFR at a site distinct from the antigen binding site, preventing conformational re-arrangement required for dimerization, a process essential for high-affinity ligand binding (Schmiedel 2008).

Restrictions: For Research Use only

## Handling

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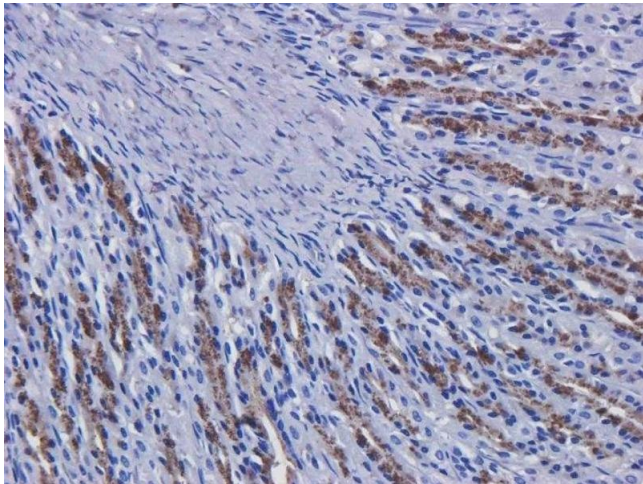
Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

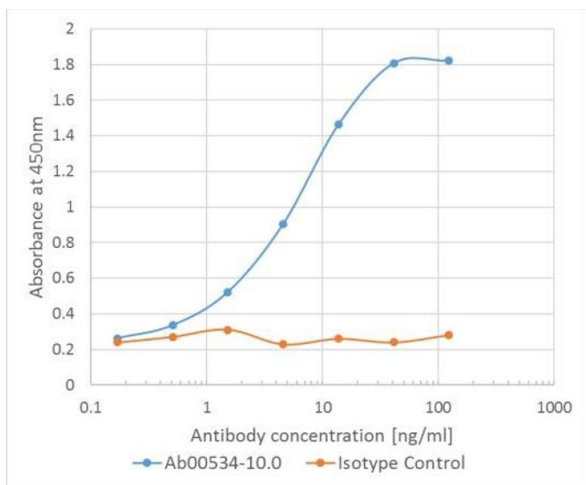
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



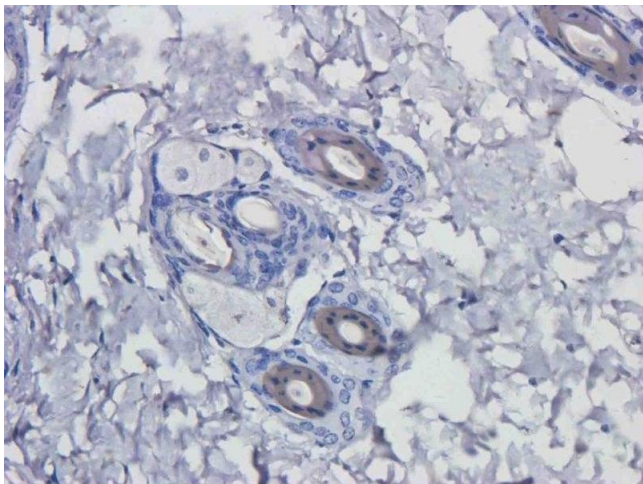
### Immunohistochemistry

**Image 1.** Immunohistochemical staining of rat stomach tissue using anti-EGFR antibody Matuzumab. Anti-EGFR staining of formaldehyde fixed paraffin embedded rat stomach tissue, at 40x magnification. The human IgG1-chimeric version of Matuzumab (ABIN5668060) was used to stain samples at a concentration of 5 µg/mL.



### ELISA

**Image 2.** Binding curve of anti-EGFR antibody Matuzumab to EGFR-Fc fusion protein ELISA Plate coated with human EGFR-Fc at a concentration of 5 µg/ml. A 3-fold serial dilution from 100 to 0.1 ng/ml was performed using . For detection, a 1:4000 dilution of HRP labelled anti-human kappa light chain antibody was used.



### Immunohistochemistry

**Image 3.** Immunohistochemical staining of mouse skin tissue using anti-EGFR antibody Matuzumab. Anti-EGFR staining of formaldehyde fixed paraffin embedded mouse skin tissue, at 40x magnification. The human IgG1-chimeric version of Matuzumab (ABIN5668060) was used to stain samples at a concentration of 5 µg/mL.