



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### EGFR recombinant monoclonal antibody, clone Matuzumab

**Catalog Number:** RAB01160

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse recombinant monoclonal antibody raised against human EGFR.

**Clone Name:** Matuzumab

**Immunogen:** Original antibody is raised against 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.

**Antibody Species:** Mouse

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This antibody binds the extracellular domain III of the human EGFR and does not cross react with murine EGFR. It was also reported that residues S460/G461 in EGFR domain III are essential components of the epitope. This antibody binds at a site distinct from the EGF binding site, preventing conformational re-arrangement required for dimerization, a process essential for high-affinity ligand binding (Schmiedel, 2008). This antibody can only recognize the active form of EGFR. The antibody binds to both glyco- and aglyco receptor forms. EGFR is a transmembrane mitogenic glycoprotein with a cytoplasmically facing tyrosine kinase site which is activated by binding of the epidermal growth factor in the external domain. It also binds transforming growth factor alpha (TGF $\alpha$ ). EGFR a member of the epidermal growth factor family and is closely related to receptor tyrosine kinases. This receptor tyrosine kinase binds ligands of the EGF family and activates signalling cascades to convert extrac

**Form:** Liquid

**Purification:** Protein A affinity purification

**Isotype:** IgG1, Kappa

**Recommend Usage:** ELISA

Flow cytometry

Immunofluorescence

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS with 0.02% Proclin 300

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

**Entrez GeneID:** 1956

**Gene Symbol:** EGFR

**Gene Alias:** ERBB, ERBB1, HER1, PIG61, mENA

**Gene Summary:** The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. [provided by RefSeq]