# Anti-EGFR [225]

Catalogue number: 153506 Sub-type: Primary antibody Images:

### Contributor

Inventor: Institute: Clonegene LLC Images:

#### **Tool details**

#### **\*FOR RESEARCH USE ONLY**

Alternate name: EGFR, ErbB-1, HER1 Class: Monoclonal Conjugate: Unconjugated Description: **Description:** Mutations that lead to EGFR overexpression (known as upregulation) or overactivity have been associated with a number of cancers, including squamous-cell carcinoma of the lung, anal cancers, glioblastoma and epithelial tumors of the head and neck. These somatic mutations involving EGFR lead to its constant activation, which produces uncontrolled cell division. In glioblastoma a more or less specific mutation of EGFR, called EGFRvIII is often observed. Mutations, amplifications or misregulations of EGFR or family members are implicated in about 30% of all epithelial cancers. Monoclonal 225 is a classic reagent in tumor therapy with more than 100 published references. The human/mouse chimeric antibody known as Cetuximab was derived from this monoclonal antibody. **Purpose:** 

Parental cell: **Organism: Tissue:** Model: Gender: Isotype: IgG1 Reactivity: Human Selectivity: Host: Mouse Immunogen: Immunogen UNIPROT ID: Sequence: Growth properties:

**Production details:** Formulation: **Recommended controls: Bacterial resistance:** Selectable markers: Additional notes:

### **Target details**

Target: Epidermal Growth Factor Receptor

#### **Target alternate names:**

Target background: Mutations that lead to EGFR overexpression (known as upregulation) or overactivity have been associated with a number of cancers, including squamous-cell carcinoma of the lung, anal cancers, glioblastoma and epithelial tumors of the head and neck. These somatic mutations involving EGFR lead to its constant activation, which produces uncontrolled cell division. In glioblastoma a more or less specific mutation of EGFR, called EGFRvIII is often observed. Mutations, amplifications or misregulations of EGFR or family members are implicated in about 30% of all epithelial cancers. Monoclonal 225 is a classic reagent in tumor therapy with more than 100 published references. The human/mouse chimeric antibody known as Cetuximab was derived from this Cance monoclonal antibody.

#### Molecular weight:

Ic50:

## **Applications**

**Application: Application notes:** 

### Handling

Format: Liquid **Concentration:** Passage number: Growth medium: **Temperature:** Atmosphere: Volume: Storage medium: Storage buffer: Storage conditions: Shipping conditions: Shipping at 4° C

**Related tools** 

**Related tools:** 

References

**References:** 

