

Anti-deltaEGFR [DH8.3] mAb

Catalogue number: 152934

Sub-type: Primary antibody

Images:

Contributor

Inventor: Bill Gullick

Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-deltaEGFR [DH8.3] mAb

Alternate name: EGFRvIII, Avian erythroblastic leukemia viral (v erb b) oncogene homolog, Cell growth inhibiting protein 4, Cell proliferation inducing protein 61, EGF R, EGFR, Epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog), Epidermal growth factor receptor (erythroblastic leukemia viral (v erb b) oncogene homolog avian), Epidermal growth factor receptor, erb-b2 receptor tyrosine kinase 1, ERBB, ERBB1, Errp, HER1, mENA, NISBD2, Oncogen ERBB, PIG61, Proto-onc...

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody directed against deltaEGFR, a mutated form of EGFR, typically found in brain tumours, also known as EGFRvIII. This antibody has use within radiolabelled tumour imaging and potentially therapeutic targeting against deltaEGFR tumours.

Background and Research Application

Epidermal growth factor (EGFR) has attracted considerable attention as a target for cancer therapy. Wild-type EGFR is amplified in a number of cancers, and several mutant forms of the EGFR cod...

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Synthetic peptide corresponding to the junctional region of the truncated receptor LEEKKGNVVTDDHC, conjugated to keyhole limpet haemocyanin.

Immunogen UNIPROT ID: P00533

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Epidermal growth factor receptor, truncated EGF receptor (EGFR type III/EGFRvIII/deltaEGFR). Recognises an EGFR with truncated extracellular domain, present on human tumours.

Target alternate names:

Target background: Monoclonal antibody directed against deltaEGFR, a mutated form of EGFR, typically found in brain tumours, also known as EGFRvIII. This antibody has use within radiolabelled tumour imaging and potentially therapeutic targeting against deltaEGFR tumours.

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Molecular weight:

Ic50:

Applications

Application: ELISA ; FACS ; IHC ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Neubauer et al. 2015. Anal Bioanal Chem. 407(22):6681-8. PMID: 26168961

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