

Anti-EGFRvIII [L8A4] Standard Size bAb0164

This antibody is a knob-into-hole bispecific based on murine IgG2a with an Fc Silent™ mutation, featuring one arm with an anti-mouse CD3e scFv based on the clone 145-2C11.

This is a bispecific, knob-into-hole heterodimerized antibody, with one arm directed against human EGFRvIII (Fab) and one arm directed against mouse CD3e (scFv).

Isotype and Format: Mouse IgG2a mCD3e KIH bispecific, [Fc Silent™](#), Kappa

Clone Number: L8A4

Alternative Name(s) of Target: Epidermal Growth Factor Receptor variant III

UniProt Accession Number of Target Protein: P00533

Published Application(s): Biacore, WB, ELISA, FC, IF, IHC

Published Species Reactivity: Human

Immunogen: Pep 3-KLH (Pep 3 is a 14-amino acid peptide corresponding to the predicted amino acid sequence at the fusion junction and KLH stands for keyhole limpet hemocyanin) at da 40 and 103, HC2 20 d2 cells at day 1, 25, 74, 87. And fusion with the nonimmunoglobulin-secreting Kearney variant of P3X63/Ag8.653.

Specificity: Binds EGFRvIII, a mutated form of EGFR, plays a prominent role in tumorigenesis.

Application Notes: This antibody can be used to detect EGFRvIII, a mutated EGFR variant, in immunohistochemical staining, Western Blot, ELISA and flow-cytometry. Chou et al (2016, PMID: 27825958) used this antibody to detect EGFRvIII in acetone and PFA fixed sections by fluorescent immunohistochemistry.

Antibody First Published in: Wikstrand CJ, Hale LP, Batra SK, Hill ML, Humphrey PA, Kurpad SN, McLendon RE, Moscatello D, Pegram CN, Reist CJ, et al. Monoclonal antibodies against EGFRvIII are tumor specific and react with breast and lung carcinomas and malignant gliomas. Cancer Res. 1995 Jul 15;55(14):3140-8. [PMID:7606735](#)

Note on publication: Describes the preparation anti human EGFRvIII antibody by long-term immunization protocols using the EGFRvIII-specific synthetic peptide and the intact variant. Identified using ELISA, Western blot, flow cytometry, and immunohistochemistry techniques.

Product Form

Size:

50 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

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

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.