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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-HB-EGF [KM3566] Bulk Size Ab04154-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: KM3566

Alternative Name(s) of Target: HBEGF; Proheparin-binding EGF-like growth factor; Heparin-binding EGF-like growth factor; Diphtheria toxin receptor; DT-R

UniProt Accession Number of Target Protein: Q99075

Published Application(s): inhibition, neutralization, WB, ELISA, FC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing mice with human HB-EGF.

Specificity: The antibody is specific for HB-EGF.

Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody detected the recombinant secretory human HB-EGF by western blot analysis. The HB-EGF-EGFR binding inhibitory activity of the original antibody was examined using 32D/EGFR cell and biotin-labeled HB-EGF. The original antibody concentration-dependently inhibited binding of biotinylated HB-EGF to EGFR. Further, it could also inhibit binding of HB-EGF with EGFR. The neutralizing activity of the original antibody was examined by a cell growth inhibition assay which used an HB-EGF-dependent cell. The original antibody showed HB-EGF-dependent cell growth inhibition activity for the cell line 32D/EGFR. The original antibody bound to the membrane type and cell membrane-bound HB-EGF of cancer cell lines (human gastric cancer cell line MKN-28, human ovarian cancer cell line ES-2, human breast cancer cell line MDA-MB-231). The binding affinity of the original format of the antibody to human HB-EGF was measured by surface plasmon resonance ($K_a = 2.7 \times 10^8$ M⁻¹). The original antibody specifically bound to the T cell leukemia and acute myelogenous leukemia cell lines expressing HB-EGF as shown by FC (US7851601B2).

Antibody First Published in: PMID:

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.