



# 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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## Anti-HB-EGF [KM3566] Standard Size Ab04154-10.0

**Isotype and Format:** Human IgG1, 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 ( $K_a = 2.7 \text{ 1/Ms}$ ). 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:** 100 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.