



ORDERING INFORMATION

Catalog Number: MAB259

Clone: 125923

Lot Number: EPO02

Size: 500 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human HB-EGF

Immunogen: Sf 21-derived rhHB-EGF

Ig class: mouse IgG_{2a}

Applications: ELISA
Western blot

Monoclonal Anti-human HB-EGF Antibody

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, Sf 21-derived, recombinant human Heparin-binding EGF-like Growth Factor (rhHB-EGF). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 500 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize rhHB-EGF in direct ELISAs and western blots. In these formats, this antibody shows no cross-reactivity with rhAR, rhBTC, rhHRG- α , rhHRG- β , rhEGF and rhTGF- α .

Additional Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human HB-EGF. The detection limit for rhHB-EGF is approximately 2.5 ng/well.

Western blot - This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect human HB-EGF. The detection limit for rhHB-EGF is approximately 5 ng/lane under non-reducing conditions.

Optimal dilutions should be determined by each laboratory for each application.

