Catalog	Unit
TBS10382-0.5MG	0.5 mg
TBS10382-1MG	1 mg
TBS10382-5MG	5 mg

Description

Tribioscience in vivo Anti-Human HBEGF antibody is a human IgG1, kappa monoclonal antibody specifically targeting HBEGF (Heparin-binding EGF-like growth factor), also known as DTR, DT-R, DTS, HEGFL, or Proheparin-binding EGF-like growth factor. This antibody is validated for applications including ELISA, flow cytometry (FCM), and neutralization assays, making it a versatile tool for both detection and functional studies. HBEGF is a critical ligand in the EGF family that regulates cell proliferation, migration, and tissue repair, and its dysregulation is implicated in multiple disease contexts, including cancer, cardiovascular disorders, and inflammatory conditions. This antibody is particularly useful in research focused on tumor progression, angiogenesis, and regenerative medicine, as well as in studies exploring therapeutic strategies targeting HBEGF-mediated signaling pathways.

Product Details

Applications:	ELISA, FCM, Neutralization
Species reactivity:	Human
Host:	Human
Isotype:	IgG1, kappa
Target:	DTR, DT-R, DTS, HEGFL, HB-EGF, HBEGF, Proheparin-binding EGF-like growth factor, Diphtheria toxin receptor.
Uniprot:	Q99075
Concentration:	3 mg/ml
Purity:	>95%
Formulation:	Liquid
Storage buffer:	0.01M PBS, pH 7.4.
Purification:	Protein A/G purified from cell culture supernatant.
Clonality:	Monoclonal
Storage:	Store -20°C up to 12 months, and -80°C for long term. Avoid repeated freeze-thaw cycles.

Data Image

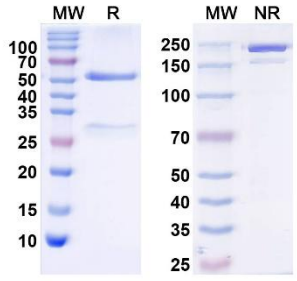

Fig. 1. SDS-PAGE for InVivoMAb Anti-Human HBEGF.
MW: Molecular Weight (kDa) Marker.
R: Reducing conditions.
NR: Non-Reducing conditions.

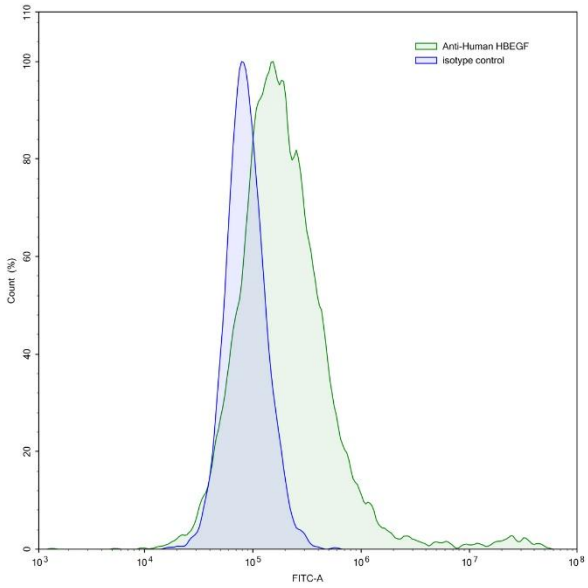

Fig. 2. Flow-cytometry using anti-human HBEGF antibody.
PC-3 cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human HBEGF antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analyzed on a NovoCyte Flow Cytometer.

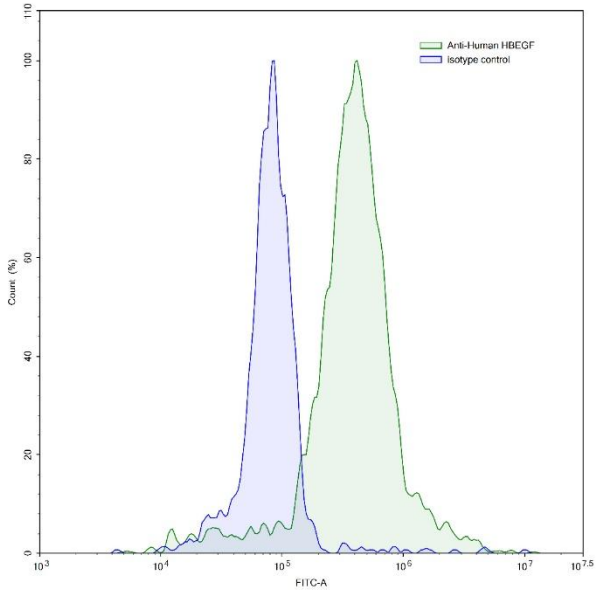

Fig. 3. Flow-cytometry using anti-human HBEGF antibody.
HBEGF Transfected SF9 cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human HBEGF antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analyzed on a NovoCyte Flow Cytometer.

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