Catalog	Unit
TBS10343-0.5MG	0.5 mg
TBS10343-1MG	1 mg
TBS10343-5MG	5 mg

Description

InVivoMAb Anti-Human IGF-1 antibody is a monoclonal antibody designed to specifically bind and neutralize human insulin-like growth factor-1 (IGF-1), a key growth factor involved in cell proliferation, survival, and tumor progression. By blocking IGF-1 signaling, this antibody is widely used in in vivo and translational research to inhibit IGF-1–mediated cancer cell growth and proliferation, investigate IGF-driven oncogenic pathways, and evaluate therapeutic strategies targeting the IGF axis in cancer and other IGF-1–related diseases.

Synonyms

Anti-Human IGF-1 monoclonal antibody, Anti-IGF-1 antibody, IGF-1 neutralizing antibody, IGF-1–specific mAb, In-vivo anti-IGF-1 antibody, Neutralizing anti-IGF-1 mAb.

Product Details

Applications:	ELISA, FCM, Neutralization
Species reactivity:	Human
Host:	Human
Isotype:	IgG1, lambda
Target:	IGF-I, IGF1, Mechano growth factor, MGF, Insulin-like growth factor I, IBP1, Somatomedin-C.
Uniprot:	P05019
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

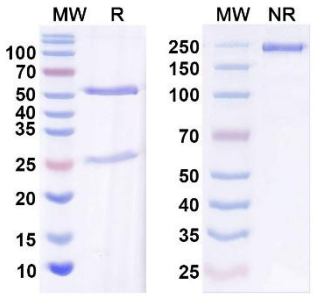

Fig. 1. SDS-PAGE for InVivoMAb Anti-Human IGF1.
MW: Molecular Weight (kDa) Marker.
R: Reducing conditions.
NR: Non-Reducing conditions.

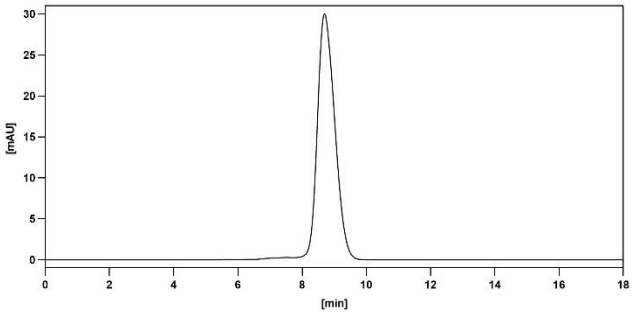

Fig. 2. SEC-HPLC detection for InVivoMAb Anti-Human IGF1

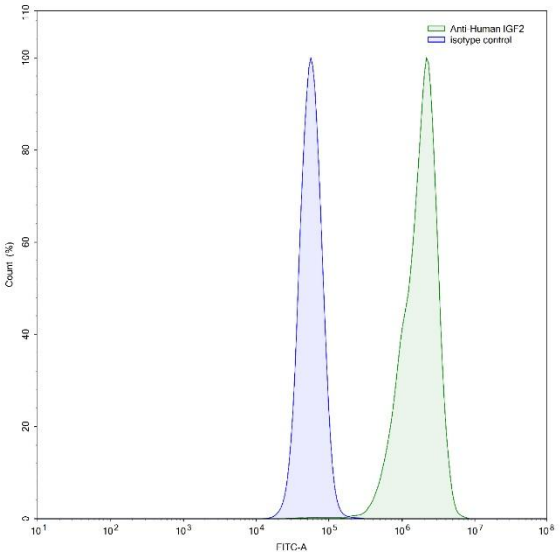

Fig. 3. Flow-cytometry using anti-human IGF2 antibody. HepG2 cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human IGF2 antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analyzed on a NovoCyte Flow Cytometer.

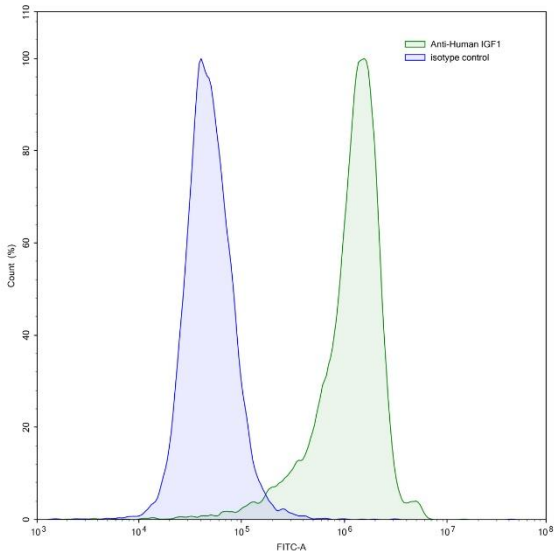

Fig. 4. Flow-cytometry using anti-human IGF1 antibody. Human Jurkat cell line were stained with an irrelevant antibody (Blue Histogram) or an anti-human IGF1 antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analyzed on a NovoCyte Flow Cytometer.

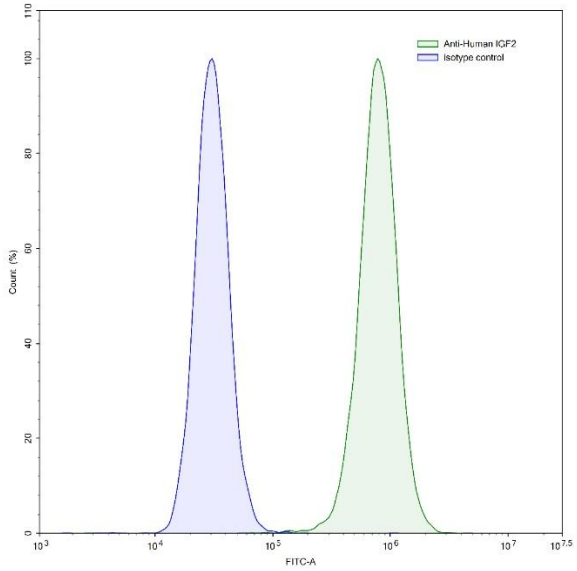

Fig. 5. Flow-cytometry using anti-human IGF2 antibody. A549 cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human IGF2 antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analysed on a NovoCyte Flow Cytometer.

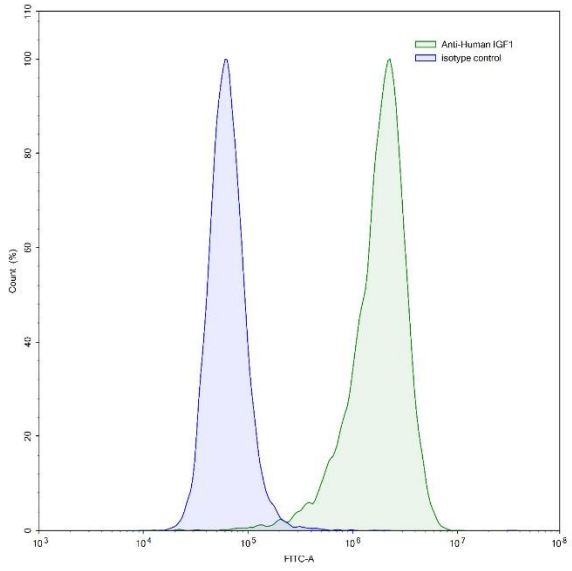

Fig. 6. Flow-cytometry using anti-human IGF1 antibody. HeLa cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human IGF1 antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analysed on a NovoCyte Flow Cytometer.

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