9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-2533: Anti-Insulin-like Growth Factor-1 (IGF-1) Monoclonal Antibody(Clone: IGF1/1020)

Clonality :	Monoclonal
Clone Name :	IGF1/1020
Application :	FACS,IF
Reactivity :	Human, Mouse, Rat
Gene :	IGF1
Gene ID :	3479
Uniprot ID :	P05019
Alternative Name :	Insulin-like Growth Factor IA (IGF-IA); Insulin-like Growth Factor IB (IGF-IB); Mechano Growth Factor (MGF); Somatomedin-C
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length human IGF-1 protein

Description

This antibody is specific to Insulin-like Growth Factor (IGF-1) and shows minimal cross-reaction with IGF-11, Proinsulin, MSF, and Insulin. IGF-1 is a polypeptide growth factor with two isoforms that are produced by alternative splicing. Isoform 1 is also known as IGF-IB while isoform 2 is known as IGF-IA. IGF-1 stimulates the proliferation of a wide range of cell types including muscle, bone and cartilage tissue. It functions as an autocrine regulator of growth. Activation of IGF system has emerged as a key factor for tumor progression and resistance to apoptosis in many cancers like those of breast, thyroid and colon.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-4ug/ml); In-vitro Neutralization of Biological Activity of IGF-1 (Order Ab without Azide)

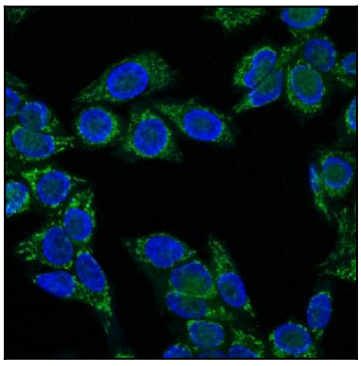


Fig. 1: Immunofluorescence Analysis of HeLa cells labeling IGF-1 with IGF-1 Mouse Monoclonal Antibody (CTC05) labeled with CF647R (Green). Nuclei are counter stained with DAPI (Blue).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.