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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

Insulin-like Growth Factor IA (IGF-IA); Insulin-like Growth Factor IB (IGF-IB); Mechano Growth **Alternative Name:**

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: $20 \mu g / 100 \mu g$

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS Content:

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition :

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)

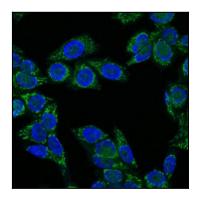


Fig. 1: Immunofluorescence Analysis of HeLa cells labeling IGF-1 with IGF-1 Mouse Monoclonal Antibody (CTC05) labeled with CF647R (Green). Nuclei are counter stained with DAPI (Blue).