

IGF-1 Antibody [clone IGF1/1020] (V2616)

Catalog No.	Formulation	Size
V2616-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2616-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2616SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	IGF1/1020
Purity	Protein G affinity chromatography
UniProt	P05019
Localization	Cytoplasmic (secreted)
Applications	Flow Cytometry : 0.5-1ug/10 ⁶ cells Immunofluorescence : 1-4ug/ml In-vitro Neutralization Of Biological Activity Of IGF-1 (order BSA/sodium Azide-free Format) :
Limitations	This IGF-1 antibody is available for research use only.



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-1B while isoform 2 is known as IGF-1A. 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.

Application Notes

Optimal dilution of the IGF-1 antibody should be determined by the researcher.

Immunogen

Full-length recombinant human IGF1 protein was used as the immunogen for the IGF-1 antibody.

Storage

Store the IGF-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).