

Mouse Insulin-like Growth Factor-1 Monoclonal Antibody | anti-IGF1 antibody

Insulin-like Growth Factor-1 (IGF-1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62663	Mouse	Human, Mouse, Rat, Rabbit.	Immunofluorescence, Flow Cytometry, Functional Assay

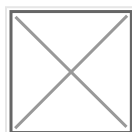
PRODUCT SYNONYMS

Insulin-like Growth Factor-1; Monoclonal Antibody; Insulin-like Growth Factor-1 (IGF-1); Insulin-like Growth Factor IA (IGF-IA); Insulin-like Growth Factor IB (IGF-IB); Mechano Growth Factor (MGF); Somatomedin-C; anti-IGF1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Rabbit.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	M23
Specificity	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.
Form/Format	200ug/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.
Sequence Length	153
Applicable Applications for anti-IGF1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Localization	Cytoplasmic (Secreted)
Positive Control	Pancreas or brain. Breast, Thyroid or Colon Cancers; IGF-1 recombinant protein
Human Chromosomal Location	12q23.2
Immunogen	Purified human IGF-1 protein
Quantity and Buffer	0.5 ml at 200ug/ml with BSA and azide
Preparation and Storage	Store at 2 to 8 degree C. Antibody is stable for 24 months.

IMAGES



SDS-PAGE

SDS-PAGE Analysis Purified IGF-1 Mouse Monoclonal Antibody (M23). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	1. Rotwein p, et. al. (1986) J. Biol. Chem. 261: 4828-4832. 2. Sandberg-Nordqvist AC, et. al. (1993) Cancer Res. 53: 2475-2478. 3. Zheng WH, et. al. (2000) J. Neural.Transm. Suppl. 2000: 261-272.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11024682
NCBI GeneID	3479
NCBI Accession #	NP_000609.1
NCBI GenBank Nucleotide #	NM_000618.3
UniProt Accession #	P05019; P05018; Q6LDP4; Q8C4U6
Molecular Weight	~7.6kDa
NCBI Official Full Name	insulin-like growth factor I isoform 4 preproprotein
NCBI Official Synonym Full Names	insulin-like growth factor 1 (somatomedin C)
NCBI Official Symbol	IGF1
NCBI Official Synonym Symbols	IGFI; IGF-I; IGF1A
NCBI Protein Information	insulin-like growth factor I; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor IA; insulin-like growth factor IB
UniProt Protein Name	Insulin-like growth factor I
UniProt Gene Name	Igf1
UniProt Synonym Gene Names	Igf-1; IGF-I
UniProt Entry Name	IGF1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.