

Mouse anti-Human IGF1 Monoclonal Antibody | anti-IGF1 antibody

IGF1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48141	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

IGF1; Monoclonal Antibody; IGF1 antibody; Insulin-like growth factor-1; IGF-IA; Somatomedin-C; MGF; IBP1; IGF-1; Insulin-like growth factor-1 IGF IA; IGF IB; IGF1; IGFI; IGFI; Insulin like growth factor 1; Insulin like growth factor 1 (somatomedin C); Insulin like growth factor IA; Insulin like growth factor IB; Mechano growth factor; Somatomedin C; ; anti-IGF1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT6F8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	153
Applicable Applications for anti-IGF1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human IGF1 (49-118aa) purified from E. coli
Clone Note	Anti-human IGF1 mAb, clone AT6F8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human IGF1 protein
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of IGF1 in PC3 cells. The cell was stained with ATGA0311 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The human IGF1 recombinant protein (12.5ng) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IGF1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IGF1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: IGF1 transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-IGF1 antibody	Insulin-like growth factor 1 (IGF-1), also called somatomedin C, is a protein that in humans is encoded by the IGF1 gene. IGF-1 has also been referred to as a Sulfation factor and its effects were termed nonsuppressible insulin-like activity (NSILA) in the 1970s. IGF-1 is a hormone similar in molecular structure to insulin. It plays an important role in childhood growth and continues to have anabolic effects in adults. A synthetic analog of IGF-1, mecasermin, is used for the treatment of growth failure. IGF-1 consists of 70 amino acids in a single chain with three intramolecular disulfide bridges. IGF-1 has a molecular weight of 7,649 daltons.
Product Categories/Family for anti-IGF1 antibody	Hormones & Cytokines
References	Hoppener J.W., et al. (1985) Hum Genet 69 (2): 157-160; Jansen M., et al. (1983) Nature 306 (5943): 609-611; Salmon W., et al. (1957) J Lab Clin Med 49 (6): 825-836 ; Keating G.M., (2008) BioDrugs 22 (3): 177-188; Rinderknecht E., et al. (1978) J Biol Chem 253 (8): 2769-2776

NCBI AND UNIPROT INFORMATION

NCBI GI #	11024682
NCBI GeneID	3479
NCBI Accession #	NP_000609
NCBI GenBank Nucleotide #	NM_000618.4
UniProt Accession #	P05019; P01343; Q14620; B2RWM7; E9PD02
Molecular Weight	17,762 Da
NCBI Official Full Name	insulin-like growth factor I isoform 4 preproprotein
NCBI Official Synonym Full Names	insulin like growth factor 1
NCBI Official Symbol	IGF1
NCBI Official Synonym Symbols	MGF; IGF1; IGF-I
NCBI Protein Information	insulin-like growth factor I
UniProt Protein Name	Insulin-like growth factor I
UniProt Gene Name	IGF1
UniProt Synonym Gene Names	IBP1; IGF-I; MGF

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/igf1-antibody-clone-at6f8-immunofluorescence-immunocytochemistry-western-blot-elisa/48141>