

IGF1

Mouse Anti-Human Insulin-like Growth Factor I mAb

Catalog No.	MAM1	Quantity:	500 µg
Alternate Names:	IGF-I, Somatomedin C, IGF1A, IGF-1		
Description:	The mouse monoclonal antibody recognizes human Insulin-like Growth Factor I (IGF-I) which is similar to Insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. IGF-I is processed from a precursor, bound by a specific receptor, and secreted. Defects in IGF-I are a cause of Insulin-like Growth Factor I Deficiency.		
GeneID:	3479		
UniProtKB:	P05019		
Conjugate:	Unconjugated		
Specificity:	Human IGF-I		
Cross-Reactivity:	LR ³ IGF-I (100%), Des ^[1-3] IGF-I (100%), Rat IGF-I (<4%). Human IGF-II, chicken IGF-I, salmon IGF-I < 0.04%.		
Host:	Mouse		
Isotype:	IgG1κ		
Immunogen:	Recombinant human IGF-I and synthetic peptides of human IGF-I		
Formulation:	Lyophilized from 5 mM PBS, pH 7.4, 60 mM Trehalose		
Purification:	Protein A affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with 500 µL sterile water. Allow to stand at room temperature for at least 10 minutes before use. After complete solubilization of this product, dilute in a buffer solution appropriate for the desired application.		
Applications:	ELISA, Western Blot		
Application Notes:	After reconstitution, a dilution of 1:500 - 1:8,000 should give a suitable signal in a conventional ELISA format or in a Western blot application. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store lyophilized antibody at 2-8 °C for 2 years. After reconstitution, aliquot and store at -20 °C to -80 °C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

