

## Product datasheet for **BM509**

### IGF1 Mouse Monoclonal Antibody [Clone ID: M23/ILG1-001]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M23/ILG1-001
Applications:	ELISA, R
Recommended Dilution:	<b>ELISA</b> (1/10,000-1/100,000). <b>Radioimmunoassays.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Biosynthetic IGF-1.
Specificity:	This antibody clone M23/ILG1-001 is specific for IGF-I. It shows minimal cross-reactivity with IGF-II, Proinsulin, MSF and Insulin.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Homo sapiens insulin like growth factor 1 (IGF1), transcript variant 3
Database Link:	<a href="#">Entrez Gene 3479 Human P05019</a>



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<b>Background:</b>	Insulin is a pancreatic hormone that regulates glucose uptake and the synthesis of protein and fat. The insulin like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth promoting activity. IGF1 (Insulin Like Growth Factor I) is a polypeptide growth factor, which stimulates the proliferation of a wide range of cell types including muscle, bone, and cartilage tissue. IGF1 functions as an autocrine regulator of growth.
<b>Synonyms:</b>	IGF-I, Somatomedin-C, Mechano growth factor, MGF, IBP1
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
<b>Protein Pathways:</b>	Dilated cardiomyopathy, Focal adhesion, Glioma, Hypertrophic cardiomyopathy (HCM), Long-term depression, Melanoma, mTOR signaling pathway, Oocyte meiosis, p53 signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer