

## Product datasheet for **BM2079**

### IGF1 Mouse Monoclonal Antibody [Clone ID: BM23]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BM23
Applications:	ELISA, IHC, R
Recommended Dilution:	RIA. ELISA. Immunohistochemistry on Frozen Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified human IGF-1 conjugated to ovalbumin.
Specificity:	The basic IGF-1-like forms (pI>9.0) showed substantial cross-reactivity, as did Rat and Mouse sera. Monoclonal antibody BM23 was capable of abolishing the biological activities of IGF-1 in-vitro bioassays for insulin-like, mitogenic and sulphation activities. <b>Cross-reactivity:</b> ILGF-1: 100% ILGF-2: 1% Proinsulin: 1.4% MSF: 1% Insulin: < 0.1%.
Formulation:	PBS buffer with 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	insulin like growth factor 1
<b>Database Link:</b>	<a href="#">Entrez Gene 3479 Human P05019</a>
<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