

## Product Datasheet

### IGF1 Antibody (orb749359)

<b>Catalog Number</b>	orb749359
<b>Category</b>	Antibodies
<b>Description</b>	<p>This antibody is specific to IGF1 (Insulin like Growth Factor 1) and shows minimal cross-reaction with IGF11, Proinsulin, MSF, and Insulin. IGF1 is a polypeptide growth factor with two isoforms that are produced by alternative splicing. Isoform 1 is also known as IGF1B while isoform 2 is known as IGF1A. IGF1 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 the 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.</p>
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Buffer/Preservatives</b>	1X PBS, pH 7.4
<b>Purification</b>	Protein G affinity chromatography
<b>Immunogen</b>	Purified human IGF1 protein was used as the immunogen for this antibody.
<b>Tested applications</b>	FACS, IF, NeA
<b>Dilution range</b>	Flow cytometry: 0.5-1ug/10 <sup>6</sup> cells, Immunofluorescence: 1-2ug/ml, In-vitro neutralization of biological activity of IGF-1 (order BSA/sodium azide-free format)

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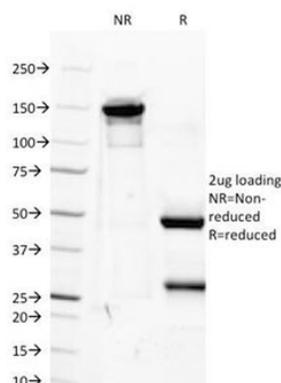
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<b>Application notes</b>	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	M23
<b>Formula</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only



SDS-PAGE Analysis of Purified, BSA-Free IGF1 Antibody (clone M23). Confirmation of Integrity and Purity of the Antibody.

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