

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** E54061M **Lot #:** 1C08615  
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**Description:** MAb to Somatomedin C  
Monoclonal Antibody to Human Insulin-Like Growth Factor Type I (IGF-1), Somatomedin C

**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.

Cross-reactivity:

ILGF-1	100%
ILGF-2	1%
Proinsulin	1.4%
MSF	1%
Insulin	<0.1%

**Clone:** BM23

**Host Animal:** Mouse **Isotype:** IgG<sub>1</sub>

**Source:** Tissue culture supernatant

**Immunogen:** Purified human IGF-1 conjugated to ovalbumin

**Format:** Purified, Liquid

**Purification:** Protein A chromatography

**Concentration:** 1mg/ml (OD280nm)

**Affinity Constant:** 10<sup>8</sup>-10<sup>9</sup>l/mole

**Buffer:** PBS

**Preservative:** 0.09% Sodium azide

**Applications:** Suitable for use in RIA and ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Short-term (up to 1 month) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

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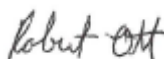
**Warning:**

This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

**Reference:**

The references listed below are for research purposes only.

1. Morrell, D.J., et al., (1989), J. Mol. Endocrinal, **2**, 201-206
2. Maiorano, E., et al., (2000), Appl. Immunohistochem. Mol. Morphol. **8** (2).



Signature

21 Sep 2015

Date

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**