



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4389

### Rabbit anti rec IGF-I (human) [UniProt: P05019]

Insulin-like Growth Factor I (IGF-I), also known as Somatomedin C, is a hormone similar to insulin. It is produced primarily by the liver as an endocrine hormone, which effects a wide range of cells and plays a key role in cell proliferation and growth. IGF-I is also linked with tumor cell growth, due to its inhibitory effect on apoptosis.

This antibody was generated by immunization of rabbits with IGF-I coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	026062-3
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	50ml diluted antiserum, lyophilized
<b>Format:</b>	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN <sub>3</sub> , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against IGF-I. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-Gly-Pro-Glu-Thr-Leu-Cys-Gly-Ala-Glu-Leu-Val-Val-Asp-Ala-Leu-Gln-Phe-Val-Cys-Gly-Asp-Arg-Gly-Phe-Tyr-Phe-Asn-Lys-Pro-Thr-Gly-Tyr-Gly-Ser-Ser-Ser-Arg-Arg-Ala-Pro-Gln-Thr-Gly-Ile-Val-Asp-Glu-Cys-Cys-Phe-Arg-Ser-Cys-Asp-Leu-Arg-Arg-Leu-Glu-Met-Tyr-Cys-Ala-Pro-Leu-Lys-Pro-Ala-Lys-Ser-Ala (disulfide bond) coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%</b>
rec IGF-I (human)	100
IGF-I (24-41)	0
rec IGF-II (1-67) (human)	<0.02
IGF-II (33-40)	0
Insulin (human)	0
Proinsulin (human)	0
Amylin (free acid) (human)	0
Somatostatin-14	0
PACAP (1-38) amide (human, ovine, rat)	0
Growth Hormone (human)	0
EGF (human)	0

Related Products:      T-4391: anti IGF-I, neat antiserum  
                                 T-4390: anti IGF-I, purified IgG

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4389

diluted antiserum

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