



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti rec Insulin-like Growth Factor-I (IGF-I)

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4390 (Lot 015769)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	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 a carrier protein.
Protein database:	<u>human-P05019</u>

Cross-Reactivity:

PEPTIDE	%
rec IGF-I (human)	100
IGF-I (24-41)	0
rec IGF-II (human)	<0.02
IGF-II (33-40)	0
Insulin (human)	0
Proinsulin	0
Amylin (free acid) (human)	0
Somatostatin-14	0
PACAP-38 (human, mouse, ovine, porcine, rat)	0
Growth Hormone (human)	0
EGF (human)	0

Applications:

Tested in ELISA against rec Insulin-like Growth Factor-I and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Optimal dilutions should be determined by the end user
Please see **www.bma.ch** for protocols and general information

Related Products:

T-4389: Rabbit anti rec IGF-I, diluted antiserum (hu)
T-4391: Rabbit anti rec IGF-I, neat antiserum (hu)
T-4395: Rabbit anti IGF-I (24.41), neat antiserum (hu)
T-4383: Rabbit anti Growth Hormone, neat antiserum (hu)
T-4060: Rabbit anti Growth Hormone Releasing Factor, purified antiserum (hu)
T-4061: Rabbit anti Growth Hormone Releasing Factor, neat antiserum (hu)
T-4375: Rabbit anti Growth Hormone Releasing Factor (30-44), neat antiserum (hu)
T-4377: Rabbit anti Growth Hormone Releasing Factor, diluted antiserum (rt)
T-4374: Rabbit anti Growth Hormone Releasing Factor (30-44), purified antiserum (hu)
T-4379: Rabbit anti Growth Hormone Releasing Factor, neat antiserum (rt)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.