

IGF1

Rabbit Anti-Human Insulin-like Growth Factor-1 Affinity Purified pAb

Catalog No. PA0362 Quantity: 100 µg

Alternate Names: Erythropoietic factor, Somatomedin C, IGF-I, Mechano growth factor, MGF

Description: Insulin-like Growth Factor 1 (IGF1) is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. IGF1 is processed from a precursor, bound by a specific receptor, and secreted.

UniProt ID: P05019-3

Specificity: Human

Isotype: Rabbit IgG

Immunogen: Highly purified (>98%) Recombinant Human IGF1, Isoform 3

Formulation: Lyophilized from sterile filtered PBS, pH 7.2.

Purification: Antigen affinity chromatography

Reconstitution: **Centrifuge vial prior to opening.** Add sterile water to fully solubilize the antibody to a concentration of 0.1-1.0 mg/mL.

Application Notes:

Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of human IGF-1 (3.0 ng/ml), a concentration of 0.67 - 1.0 µg/ml of this antibody is required.

Direct ELISA: Using 100 µl/well antibody solution, a concentration of at least 0.5 µg/ml of this antibody is required. The antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant human IGF-1.

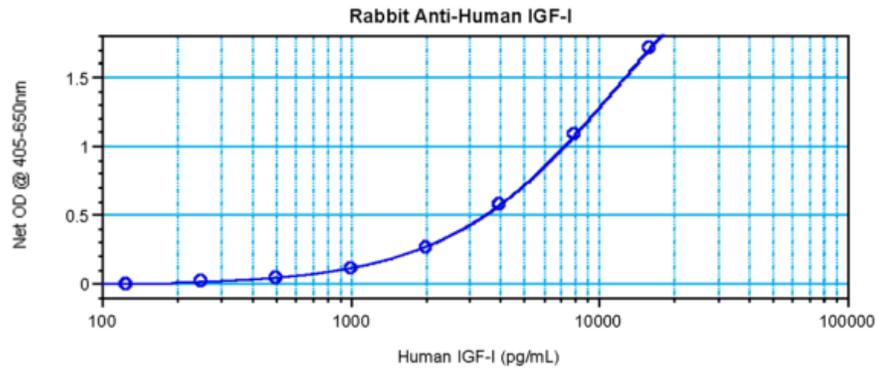
Sandwich ELISA: Using 100 µl/well antibody solution, a concentration of at least 0.5 - 2.0 µg/ml of this antibody is required. In conjunction with Biotinylated anti-Human IGF-1, this antigen affinity purified antibody allows the detection of 0.2 - 0.4 ng/well of recombinant human IGF-1.

Western Blot: To detect human IGF-1 by Western Blot, this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant human IGF-1 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store at -20°C to -80°C for up to 1 year. After reconstitution, stable for two weeks at 2-8°C. It is recommended to store working aliquots at -20°C to -80°C.

Avoid repeated freeze/thaw cycles.

ELISA using PA0362, PA0362BT



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com