

DATASHEET

Version: 2016-08-17

IGF-I Antibody, mAb, Mouse

Cat. No.: A01516-40

Size: 40 µg

Synonyms: Mouse Anti-IGF-I mAb; Mouse anti IBP1 mAb

Description:

Insulin is a pancreatic hormone that regulates glucose uptake and the synthesis of protein and fat. The insulin like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth promoting activity. IGF-I (Insulin Like Growth Factor I) is a polypeptide growth factor, which stimulates the proliferation of a wide range of cell types including muscle, bone, and cartilage tissue. IGF-I functions as an autocrine regulator of growth.

Immunogen: Human IGF-I recombinant protein

Host: Mouse

Antigen Synonyms: Human

Conjugation: Unconjugated

Fusion Partner:

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells.

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Clone: 1E11A3

Ig Subclass: Mouse IgG1, κ

Specificity: No cross reactivity with IGF-II or IGF-BP4.

Purification: Protein A affinity column

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Immunohistochemistry: 10-20 µg/ml **Other applications:** user-optimized

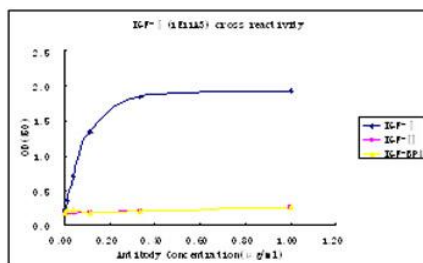
Reconstitution:

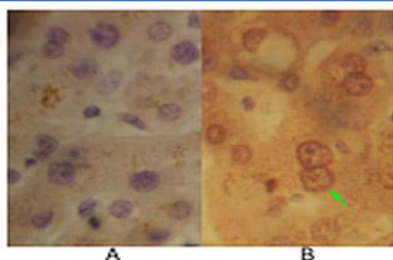
Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

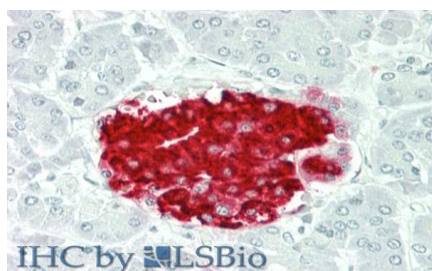
The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example





Immunohistochemical analysis paraffin-embedded Human normal liver parenchyma using IGF-1 Antibody(Cat.No:A01516) A：isotype control. B: with primary antibody at 5 µg/ml.



Immunohistochemistry analysis of human pancreas tissue slide (Paraffin embedded) using IGF-I Antibody, mAb, Mouse (GenScript, Cat.No. A01516, 15 µg/ml)