IGF-1 (human), ELISA kit

Highly sensitive ELISA, measuring as little as 34.2 pg/ml of IGF-1 in just 4 hours.

The IGF-1 (human), ELISA kit is a colorimetric immunometric enzyme-linked immunosorbent assay kit with results in 4 hours. Absorbance is read at 450 nm. This kit offers ultra-sensitive measurement of as little as 34.2 pg/ml of IGF-1.

Insulin-like growth factor-I (IGF-I) is a polypeptide hormone similar in structure to insulin. It is involved in regulation of neuronal growth and development in the central and peripheral nervous system. IGF-1 is a potent inhibitor of apoptosis in neurons, and activates the Akt signaling pathway via the IGF-1R and Insulin receptors. The IGF-1R acts as a receptor for IGF-1 and the related IGF-2, and is subject to autophosphorylation on multiple tyrosine residues that regulate receptor activation and assembly of signal transduction complexes.

Citations: 21 View Online »

Ordering Information

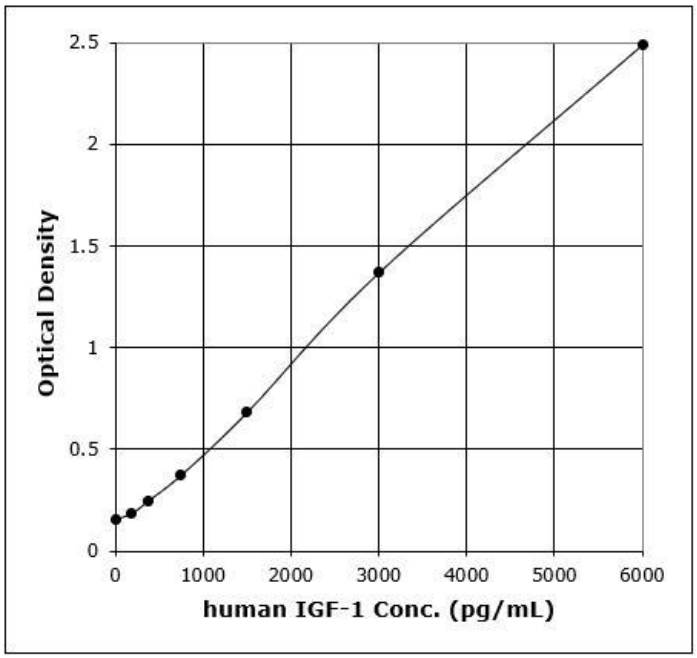
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ADI-900-150	96 wells

Manuals, SDS & CofA

View Online »

- Highly sensitive, detecting as low as 34.2 pg/ml IGF-1
- Broad dynamic range suitable for use with a variety of samples
- High throughput format with results for up to 40 samples in duplicate in just 4 hours
- Fully quantitative results that surpass semi-quantitative Western blot analysis


2.5
2
1.5
1
0.5
0
Optical Density
0
1000
2000
3000
4000
5000
6000
human IGF-1 Conc. (pg/mL)

Handling & Storage

Long Term Storage +4°C

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name	Insulin-like growth factor 1
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of human IGF-1 in plasma and serum. Cited sample types include culture supernatants and milk.
Assay Time	4 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Microtiter plate, Conjugate, Antibody, Assay buffer 10 concentrate, Standard, Wash buffer concentrate, TMB substrate, Stop solution 2, Neutralizing reagent 2, 2N HCl
Crossreactivity	Human IGF-1 (100%), human IGF-2 (0.11%) and <0.1%: IGFBP-2, IGFBP-3, IGFBP-4, mouse IGF-1, mouse IGF-2, HGH, HGF, PDGF-BB, human insulin
Sensitivity	34.2 pg/ml (range 187 – 6,000 pg/ml)
Species Reactivity	Human
Technical Info / Product Notes	**Cited samples:** Cytokine ELISAs Cited Samples
UniProt ID	P05019
Wavelength	450 nm

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