

# IGF1 Polyclonal Antibody

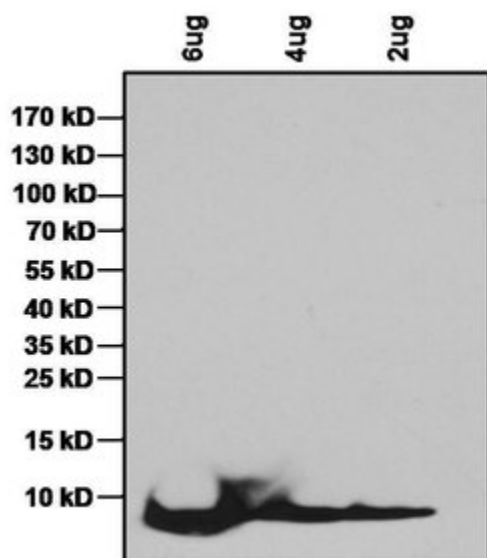
Product Details	
Size	200 µg
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage Conditions	-20°C
RRID	AB_2539893

Applications	Tested Dilution	Publications
ELISA (ELISA)	1 µg/mL	-
Western Blot (WB)	1:500-1:2000	-

## Product Specific Information

PA1-130 has been successfully used as a detection antibody in a sandwich ELISA with Product # MA1-088 as the coating antibody.

## Product Images For IGF1 Polyclonal Antibody

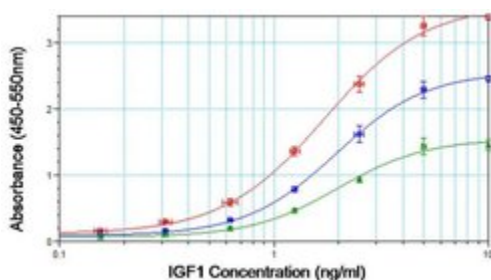


### IGF1 Antibody (PA1-130) in WB

Western blot analysis of human IGF1 was performed by loading the indicated amounts of recombinant human IGF1 protein per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with StartingBlock (TBS) Blocking Buffer (Product # 37542) for at least 1 hour. The membrane was probed with an IGF1 polyclonal antibody (Product # PA1-130) at a concentration of 1  $\mu\text{g}/\text{mL}$  overnight at 4C on a rocking platform, washed in TBS-0.1% Tween-20, and probed with a goat anti-rabbit IgG-HRP secondary antibody (Product # 31460) at a dilution of 1:10000 for at least 1 hour. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080).

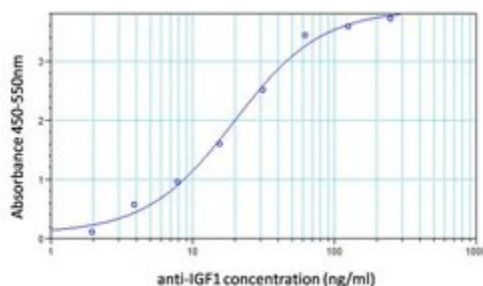
### IGF1 Antibody (PA1-130) in ELISA

Sandwich ELISA analysis of an anti-human IGF1 polyclonal antibody (Product # PA1-130) was performed by loading 100  $\mu\text{L}$  per well of antibody (Product # MA1-088) at a concentration of 1  $\mu\text{g}/\text{mL}$  overnight at room temperature. The plate was washed 3 times with ELISA Wash Buffer (Product # N503), and 100  $\mu\text{L}$  of recombinant human IGF1 was added to wells in duplicate at 10, 5, 2.5, 1.25, 0.625, 0.312 and 0 ng/mL concentrations and the samples were incubated for 2 hours at room temperature. The plate was washed, then incubated with 100  $\mu\text{L}$  per well of an IGF1 polyclonal antibody (Product # PA1-130), biotinylated using EZ-Link Sulfo-NHS-LC-Biotinylation Kit (Product # 21435). The biotinylated antibody was loaded at a concentration of 2.0  $\mu\text{g}/\text{mL}$  (red line), 1.0  $\mu\text{g}/\text{mL}$  (blue line), and 0.5  $\mu\text{g}/\text{mL}$  (green line) for 1 hour at room temperature, followed by 100  $\mu\text{L}$  per well of Ultra Streptavidin-HRP (Product # N504) at a dilution of 1:10,000 for 30 minutes at room temperature. Detection was performed by adding 100  $\mu\text{L}$  of 1-Step Ultra TMB substrate (Product # 34028) per well and incubating for 20 minutes at room temperature in the dark. The plate was then stopped with 100  $\mu\text{L}$  per well of 0.16M sulfuric acid. Absorbances were read on a spectrophotometer at 450-550 nm.



### IGF1 Antibody (PA1-130) in ELISA

Direct ELISA analysis of an anti-human IGF1 polyclonal antibody (Product # PA1-130) was performed by coating wells of a plate with recombinant IGF1 protein at a concentration of 2  $\mu\text{g}/\text{mL}$  overnight at 4C. The plate was washed 3 times with ELISA Wash Buffer (Product # N503), and 100  $\mu\text{L}$  of an IGF1 polyclonal antibody (Product # PA1-130) was added to wells in duplicate at 2000, 1000, 500, 250, 125, 62.5, 31.25, 15.6, 7.8, 3.9, 1.9, and 0 ng/mL concentrations and the samples were incubated for 2 hours at room temperature. The plate was washed, then incubated with 100  $\mu\text{L}$  per well of an HRP-conjugated goat anti-rabbit IgG secondary antibody (Product # 31460) at a dilution of 1:10,000 for 1 hour at room temperature, and washed again with ELISA Wash Buffer. The plate was developed by incubating 100  $\mu\text{L}$  per well of 1-Step Ultra TMB substrate (Product # 34028) per well and incubating for 10 minutes at room temperature in the dark. The reaction was stopped with 100  $\mu\text{L}$  per well of 0.16M sulfuric acid. Absorbances were read on a spectrophotometer at 450-550 nm.



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