IL-6 (human), high sensitivity ELISA kit

Most sensitive (0.057 pg/mL) colorimetric kit for IL-6 quantification

The IL-6 (human), high sensitivity ELISA kit is a colorimetric immunoassay kit with results in 3 hours. Absorbance is read at 450 nm. Measure up to 40 samples in duplicate per 96 well kit.

Interleukin-6 (IL-6) is a cytokine critical to the regulation of the immune and hematopoietic systems. Human IL-6 is expressed by T-cells, mast cells, monocytes, macrophages, fibroblasts, endothelial cells, keratinocytes, and many tumor cell lines. It plays a role in acute phase reactions and response to injury and inflammation. Human IL-6 also stimulates the differentiation of B-cells for antibody production, promotes expansion of activated T-cells, expands hematopoietic cell production, and induces the expression of acute phase proteins.

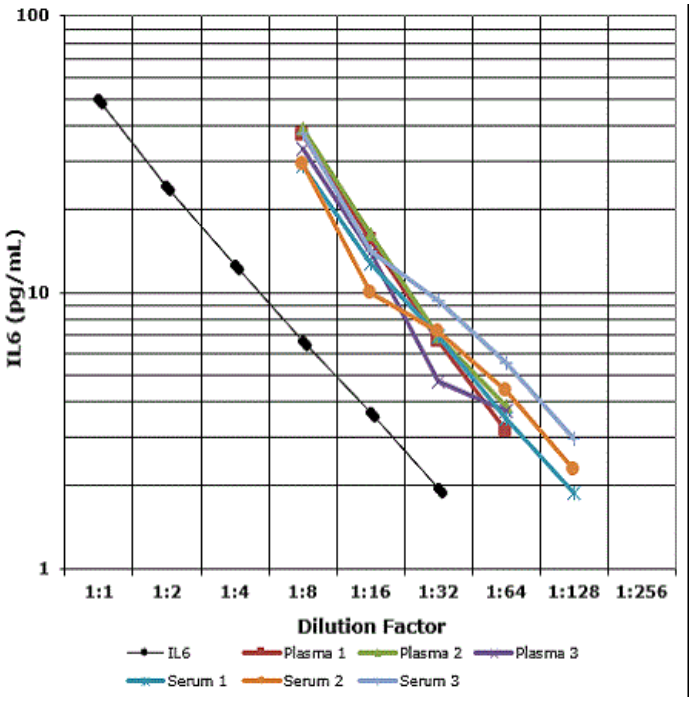
Citations: 9 View Online »

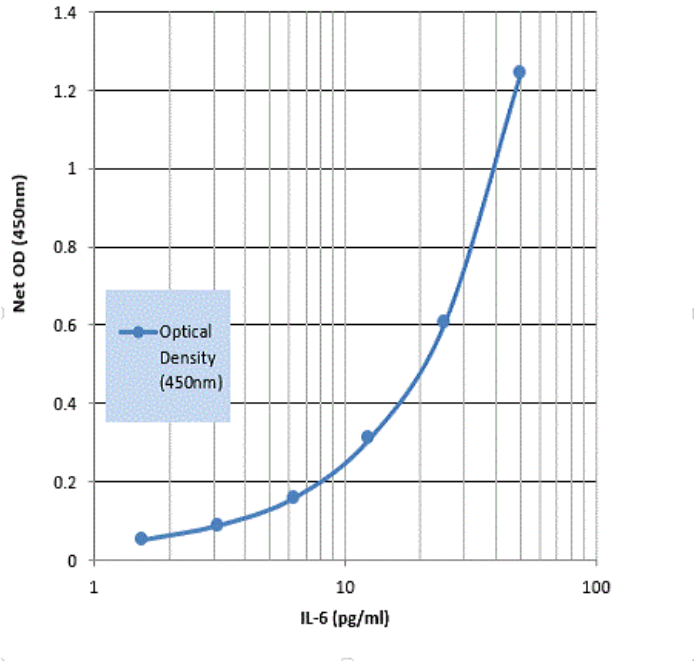
Ordering Information Order Online »

ENZ-KIT178-0001	96 wells

Manuals, SDS & CofA View Online »

- High-sensitivity ELISA enables quantification of low amounts of IL-6
- Easy-to-use liquid color-coded reagents reduce errors
- Rapid quantitative results in 3 hours
- High-throughput immunoassay measures up to 40 samples in duplicate per 96 well kit
- Ready-to-use reagents and pre-coated plates reduce errors and save time


100
10
1
IL6 (pg/mL)
1:1
1:2
1:4
1:8
1:16
1:32
1:64
1:128
1:256
Dilution Factor
IL6
Plasma 1
Plasma 2
Plasma 3
Serum 1
Serum 2
Serum 3


1.4
1.2
1
0.8
0.6
0.4
0.2
0
Net OD (450nm)
Optical Density (450nm)
1
10
100
IL-6 (pg/ml)

Handling & Storage

Use/Stability	Store all components at +4°C, except standard at -20°C.
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Interleukin-6
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of human IL-6 in culture supernatants, plasma, serum, and urine.
Assay Time	3 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Microtiter plate, Conjugate, Antibody, Assay buffer 13, Wash buffer concentrate, Standard, TMB Substrate, Stop solution
Crossreactivity	Negligible crossreactivity to IL-1α, IL-1β, IL-2, IL-3, IL-4, IL-7, IL-8, TNFα, and TNFβ
Sensitivity	0.057 pg/mL (1.56 – 50 pg/mL)
Species Reactivity	Human
UniProt ID	P05231
Wavelength	450 nm

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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