IL-1β (human), ELISA kit

The IL-1β (human), ELISA kit is a colorimetric immunometric enzyme immunoassay kit

The IL-1β (human), EIA kit is a colorimetric immunometric enzyme immunoassay kit with results in < 3 hours. Absorbance is read at 450 nm. Quantify 1 pg/mL IL-1β with lot sample volume needed saving you precious sample.

The interleukin-1 (IL-1) cytokine family consists of IL-1α, IL-1β, and IL-1Rα (receptor antagonist) which are expressed primarily by endothelial cells and activated macrophages. IL-1α and IL-1β elicit pro-inflammatory cytokine production and cellular activation, and are the primary mediators of hypothalamic regulation that results in fever. IL-1α and IL-1βsignals are transmitted via a dual subunit IL-1 receptor composed of IL-1R1 and the IL-1 receptor accessory protein (IL-1RAcP). IL-1RAcP is vital to IL-1 signaling, as it recruits the IL-1 receptor-associated kinase (IRAK) to the receptor complex, initiating NF-κB pathway activation.

Citations: 13 View Online »

Ordering Information

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ADI-900-130A	96 wells

Manuals, SDS & CofA

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- Sensitive - quantify down to 1 pg/mL
- Efficient - only 50 µl diluted sample required saving precious materials
- Specific - no cross-reactivity with related cytokines
- Results from up to 40 samples in duplicate in just 3 hours
- Ready-to-use reagents and pre-coated plates reduce errors and save your time

Handling & Storage

Short Term Storage	+4°C
Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Interleukin-1β
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of IL-1β in culture supernatant, plasma, serum, and urine of human origin.
Assay Time	< 3 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Standard, Standard Diluent Buffer, Coated 96-well plate, Conjugate, Streptavidin-HRP, Streptavidin-HRP Diluent, Wash Buffer Concentrate, TMB Solution, Stop Solution, Plate Sealers
Crossreactivity	The following substances were tested and found to have no cross-reactivity: human IL-1α, IL-1ra, IL-2, IL-3, IL-4, IL-6, IL-7, IL-8, IL-10, IFN-α, TGF-β, GM-CSF, G-CSF, OSM, MIP-1α, MIP-1β, LIF, MCP-1, G-CSF, RANTES, PF-4, βTG, GRO, IP-10, SCF, TNF-α, and TNF-β.
Sensitivity	1 pg/mL
Species Reactivity	Human
Technical Info / Product Notes	**Cited samples:** Cytokine ELISAs Cited Samples
UniProt ID	P01584

Wavelength	450 nm

Last modified: May 29, 2024

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