IL-2 (human), ELISA kit

The IL-2 (human), ELISA kit is a colorimetric immunometric enzyme immunoassay kit

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Interleukin-2 (IL-2) plays a critical role in the mediation of immune response by acting as a growth and differentiation factor for T cells, as well as B cells, natural killer (NK) cells, lymphokine-activated killer (LAK) cells, tumor-infiltrating lymphocytes (TIL), monocytes, macrophages, and oligodendrocytes. The human IL-2 receptor can be composed of several combinations of a 55 kDa IL-2Ralpha subunit, a 70-75 kDa IL-2Rβ subunit, and a 64 kDa IL-2Rγ subunit. IL-2 binding affinity varies depending on which combination of subunits is present in the bonding complex, with the high affinity binding site having all three subunits. Studies have shown IL-2 to cause the regression of some types of tumors and it may have implications in immunotherapy and the treatment of infectious diseases and immune deficiencies.

Citations: 1 View Online »

Ordering Information

Order Online »

ADI-900-118A	96 wells

Manuals, SDS & CofA

View Online »

- Results in just 3 hours from up to 39 samples in duplicate
- Low dynamic range provides sensitive measurements
- Validated in a wide variety of matrices
- Ready-to-use reagents and pre-coated plates reduce errors and save your time

Handling & Storage

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

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Interleukin-2
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of human IL-2 in culture supernatants, plasma, and serum.
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 2
Sensitivity	6.6 pg/ml (range 7.81 – 500 pg/ml)
Species Reactivity	Human
Technical Info / Product Notes	**Cited samples:** Cytokine ELISAs Cited Samples
UniProt ID	P60568
Wavelength	450 nm

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