Datasheet for ABIN5067892

IL12 ELISA Kit

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Overview

Quantity:	1 kit
Target:	IL12
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	For the quantitative determination of human interleukin 12 IL-12) concentrations in cell culture supernates, serum, plasma, and urine. Recognizes native and recombinant human Il-12
Sample Type:	Urine, Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Cross-Reactivity (Details):	Calculated cross reactivity: Hu
Sensitivity:	5 pg/mL
Characteristics:	Interleukin 12 (IL-12), ELISA Kit (Human) (IL-12, Cytotoxic Lymphocyte Maturation Factor 1, CTL Maturation Factor, TcMF, CLMF p35, Natural Killer Cell Stimulatory Factor 1, NFSK1, p35, T cell Stimulating Factor, TSF)
Components:	• IL-12 Microplate: 96 well polystyrene microplate (12 strips of 8 wells) coated with a murine monoclonal antibody against IL-12. • IL-12 Conjugate: 21ml of polyclonal antibody against IL-12 conjugated to horseradish peroxidase, with preservative.

Product Details

- IL-12 Standard: 2.5ng of recombinant human IL-12 in a buffered protein base with preservative, lyophilized.
- Assay Diluent R 6ml of a buffered protein base with preservative. For use with cell culture supernate/serum/plasma samples.
- Assay Diluent R 6ml of a buffered protein base with preservative. For use with urine samples.
- Calibrator Diluent R Concentrate (5X): 21ml of a buffered protein base with preservative.
- Wash Buffer Concentrate: 21ml of a 25-fold concentrated solution of buffered surfactant with preservative.
- Color Reagent A: 12.5ml of stabilized hydrogen peroxide.
- Color Reagent B: 12.5ml of stabilized chromogen (tetramethylbenzidine).
- Stop Solution: 6ml of 2 N sulfuric acid.

Target Details

Target:	IL12
Alternative Name:	Interleukin 12 (IL-12) (IL12 Products)
Pathways:	JAK-STAT Signaling, TLR Signaling, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Activated T Cell Proliferation, Cancer Immune Checkpoints, Inflammasome

Application Details

Plate:	Pre-coated
Protocol:	Principle of the Assay: • This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for IL-12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL- 12 present is bound by the immobilized antibody. After washing away any unbound substances, an enzyme-linked polyclonal antibody specific for IL-12 is added to the wells. Following a wash to remove any unbound antibody-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL-12 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	4°C/-20°C