

IL-12p40 + p70 elisa kit

Human IL-12p40 + p70 ELISA Kit

CATALOG #
AAA58599

REACTIVITY
Human. No cross reactivity with other human cytokines. Cross reacts with feline and canine IL-12 p40.

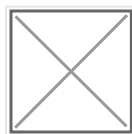
PRODUCT SYNONYMS

IL-12p40 + p70; Human IL-12p40 + p70 ELISA Kit; IL-12/p40 + p70; IL-12p40 + p70 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human. No cross reactivity with other human cytokines. Cross reacts with feline and canine IL-12 p40.
Specificity	The assay recognizes both natural and recombinant human IL-12p40/p70. To define the specificity of this ELISA several proteins were tested for cross reactivity. There was no cross reactivity observed for any protein tested: IL-1alpha, IL-1beta, IL-10, IL-2, IFNgamma, IL-4, IL-6, TNFalpha, IL-8 and IL-13. The assay will also recognize the p40 when in heterodimer with the p35 protein (IL-12p70) or with the p19 protein (IL-23).
Assay Type	Qualitative Sandwich
Samples	Supernatants, buffered solutions or serum and plasma samples
Sensitivity	20 pg/ml
Intra-assay Precision	Reproducibility within the assay was evaluated in three independent experiments. Each assay was carried out with 6 replicates (3 duplicates) of samples containing different concentrations of IL-12p40/p70: 2 in human pooled Serum and 3 in Standard Diluent Buffer 1X. Data below show the mean IL-12p40/p70 concentration and the coefficient of variation for each sample.
Inter-assay Precision	Assay to assay reproducibility within one laboratory was evaluated in three independent experiments by two technicians.. Each assay was carried out with 6 replicates (3 duplicates) of samples containing different concentrations of IL-12p40/p70: 2 in human pooled Serum and 3 in Standard Diluent Buffer 1X. Data below show the mean IL-12p40/p70 concentration and the coefficient of variation for each sample.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-12p40 + p70 elisa kit	<p>Principle of the Assay: A capture Antibody highly specific for IL-12p40/p70 has been coated to the wells of the microtiter strip plate provided during manufacture. Binding of IL-12p40/p70 samples and known standards to the capture antibodies and subsequent binding of the Biotinylated anti-IL-12p40/p70 secondary antibody to the analyte is completed during the same incubation period. Any excess unbound analyte and secondary antibody is removed. The HRP conjugate solution is then added to every well including the zero wells, following incubation excess conjugate is removed by careful washing. A chromogen substrate is added to the wells resulting in the progressive development of a blue coloured complex with the conjugate. The colour development is then stopped by the addition of acid turning the resultant final product yellow. The intensity of the produced coloured complex is directly proportional to the concentration of IL-12p40/p70 present in the samples and standards. The absorbance of the colour complex is then measured and the generated OD values for each standard are plotted against expected concentration forming a standard curve. This standard curve can then be used to accurately determine the concentration of IL-12p40/p70 in any sample tested.</p> <p>Intended Uses: The Human IL-12p40/p70 ELISA kit is a solid phase sandwich ELISA for the in-vitro qualitative and quantitative determination of IL-12p40/p70 (p40 subunit) in supernatants, buffered solutions or serum and plasma samples. This assay will recognise both natural and recombinant natural and recombinant human IL-12p40/p70 monomer but also when in homodimer (IL-12p80), heterodimer with the p35 protein (IL-12p70) or with the p19 protein (IL-23).</p>
Product Categories/Family for IL-12p40 + p70 elisa kit	Human ELISA Kit
References	Beyth S. et al., Blood, 2005; 105(5): 2214 - 2219 Braith, M. et al., Arch Neurol.,2008; 65(5): 633-635. Rodriguez-Zapata, M. et al., Infect. Immun.,2010; 78:3272-3279

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/canine-feline-human-elisa-kits/il-12p40-p70/58599>