

Goat Interleukin 12 p40 ELISA Kit | IL-12 p40 elisa kit

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CATALOG #
AAA95403

REACTIVITY
Goat

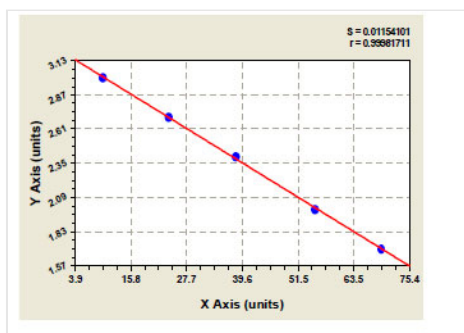
PRODUCT SYNONYMS

Interleukin 12 p40; Goat Interleukin 12 p40 ELISA Kit; IL-12 p40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-12 p40 elisa kit

Intended Uses: This IL-12 p40 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat IL-12 p40. This ELISA kit for research use only!

Principle of the Assay||IL-12 p40 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-12 p40 antibody and an IL-12 p40-HRP conjugate. The assay sample and buffer are incubated together with IL-12 p40-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-12 p40 concentration since IL-12 p40 from samples and IL-12 p40-HRP conjugate compete for the anti-IL-12 p40 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-12 p40 from the sample, fewer sites are left to bind IL-12 p40-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-12 p40 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680397
NCBI GeneID	16160
NCBI Accession #	NP_032378.1
NCBI GenBank Nucleotide #	NM_008352.2
Molecular Weight	38,235 Da
NCBI Official Full Name	interleukin-12 subunit beta
NCBI Official Synonym Full Names	interleukin 12b
NCBI Official Symbol	IL12b
NCBI Official Synonym Symbols	p40; IL-12b; IL12p40; IL-12p40
NCBI Protein Information	interleukin-12 subunit beta; CLMF p40; IL-12 p40; IL-12 subunit p40; IL-23 subunit p40; cytotoxic lymphocyte maturation factor 40 kDa subunit
UniProt Protein Name	Interleukin-12 subunit beta
UniProt Gene Name	IL12b
UniProt Synonym Gene Names	IL-12B; CLMF p40
UniProt Entry Name	IL12B_MOUSE

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.