

Bovine Interleukin 12B (IL12B) ELISA Kit | IL12B elisa kit

Bovine Interleukin 12B (IL12B) High Sensitive ELISA Kit

CATALOG # AAA188466	REACTIVITY Bovine	APPLICATIONS ELISA
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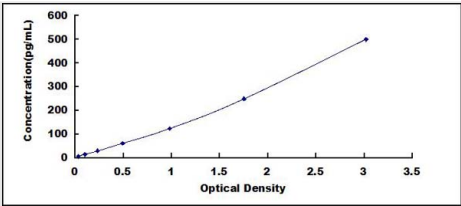
PRODUCT SYNONYMS

Interleukin 12B (IL12B); Bovine Interleukin 12B (IL12B) High Sensitive ELISA Kit; Interleukin 12B; p40; IL12-B; CLMF2; NKSF2; Natural Killer Cell Stimulatory Factor 2; Cytotoxic Lymphocyte Maturation Factor 2; Interleukin 23; P40 Subunit; IL12B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Interleukin 12B (IL12B). No significant cross-reactivity or interference between High Sensitive Interleukin 12B (IL12B) and analogues was observed.
Sequence Length	327
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 3.0pg/mL
Applicable Applications for IL12B elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Interleukin 12B (IL12B) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Interleukin 12B (IL12B) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Interleukin 12B (IL12B). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Interleukin 12B (IL12B). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Sensitive Interleukin 12B (IL12B), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of High Sensitive Interleukin 12B (IL12B) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	41386790
NCBI GeneID	281857
NCBI Accession #	NP_776781.1
NCBI GenBank Nucleotide #	NP_776781.1
UniProt Accession #	P46282
NCBI Official Full Name	interleukin-12 subunit beta
NCBI Official Synonym Full Names	interleukin 12B
NCBI Official Symbol	IL12B
NCBI Official Synonym Symbols	IL12p40
NCBI Protein Information	interleukin-12 subunit beta
UniProt Protein Name	Interleukin-12 subunit beta
UniProt Gene Name	IL12B
UniProt Synonym Gene Names	IL-12B; CLMF p40
UniProt Entry Name	IL12B_BOVIN

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.

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Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/interleukin-12b-il12b/188466>