

Bovine Interleukin-36 alpha ELISA Kit | IL36A elisa kit

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CATALOG #
AAA27450

REACTIVITY
Bovine

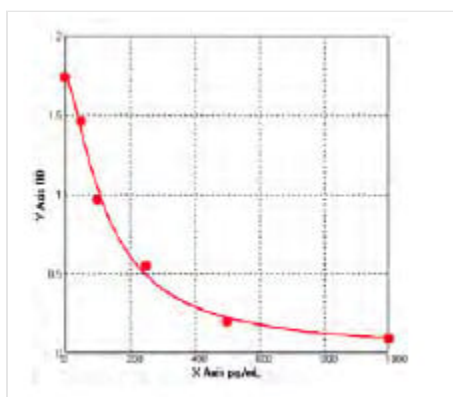
PRODUCT SYNONYMS

Interleukin-36 alpha; Bovine Interleukin-36 alpha ELISA Kit; IL36A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-36alpha. No significant cross-reactivity or interference between IL-36alpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-36alpha and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	158
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL36A elisa kit	Intended Uses: This IL-36alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine IL-36alpha. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: IL-36alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-36alpha antibody and an IL-36alpha-HRP conjugate. The assay sample and buffer are incubated together with IL-36alpha-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-36alpha concentration since IL-36alpha from samples and IL-36alpha-HRP conjugate compete for the anti-IL-36alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-36alpha from the sample, fewer sites are left to bind IL-36alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-36alpha concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7657092
NCBI GeneID	27179
NCBI Accession #	NP_055255.1
NCBI GenBank Nucleotide #	NM_014440.2
UniProt Accession #	Q9UHA7; Q53SR7; Q5BLR4; Q7RTZ8; B2RAD9
Molecular Weight	17,684 Da
NCBI Official Full Name	interleukin-36 alpha
NCBI Official Synonym Full Names	interleukin 36 alpha
NCBI Official Symbol	IL36A
NCBI Official Synonym Symbols	FIL1; FIL1E; IL1F6; IL-1F6; IL1(EPSILON); FIL1(EPSILON)
NCBI Protein Information	interleukin-36 alpha
UniProt Protein Name	Interleukin-36 alpha
UniProt Gene Name	IL36A
UniProt Synonym Gene Names	FIL1E; IL1E; IL1F6; IL-1 epsilon; IL-1F6

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.