

Sheep Interleukin 8 (IL8) ELISA Kit | IL8 elisa kit

Sheep Interleukin 8 (IL8) Instant ELISA Kit

CATALOG # AAA188616	REACTIVITY Sheep	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Interleukin 8 (IL8); Sheep Interleukin 8 (IL8) Instant ELISA Kit; Interleukin 8; CXCL8; AMCF-I; GCP1; K60; LECT; LUCT; LYNAP; MDNCF; MONAP; NAF; NAP1; SCYB8; TSG1; B-ENAP; Neutrophil-Activating Protein 1; Granulocyte Chemotactic Protein 1; IL8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of IL8. No significant cross-reactivity or interference between IL8 and analogues was observed.
Sequence Length	101
Assay Type	Quantitative Sandwich
Samples	Ovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.3pg/mL
Applicable Applications for IL8 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL8 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL8 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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.

ADDITIONAL INFORMATION

Related Product Information for IL8 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL8. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL8. 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 IL8, 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 IL8 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL8 in ovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57164403
NCBI GeneID	443418
NCBI Accession #	NP_001009401.1
NCBI GenBank Nucleotide #	NP_001009401.1
UniProt Accession #	P36925
NCBI Official Full Name	interleukin-8
NCBI Official Symbol	CXCL8
NCBI Official Synonym Symbols	IL8
NCBI Protein Information	interleukin-8
UniProt Protein Name	Interleukin-8
UniProt Gene Name	CXCL8
UniProt Synonym Gene Names	IL8; IL-8
UniProt Entry Name	IL8_SHEEP

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://www.aaabiotech.com/sheep-elisa-kits/interleukin-8-il8/188616>