

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

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CATALOG #
AAA68211

REACTIVITY
Bovine

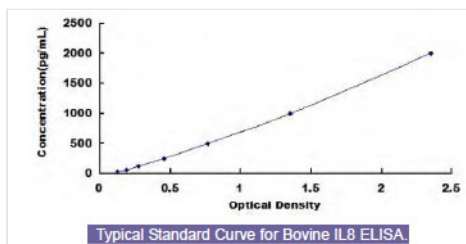
PRODUCT SYNONYMS

Interleukin 8 (IL8); Bovine Interleukin 8 (IL8) ELISA Kit; IL8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
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
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	5.9pg/mL
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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	27806863
NCBI GeneID	280828
NCBI Accession #	NP_776350.1
NCBI GenBank Nucleotide #	NM_173925.2
UniProt Accession #	P79255; Q3ZBG3; Q5MAD6; A9QWR1
Molecular Weight	11,291 Da
NCBI Official Full Name	interleukin-8
NCBI Official Symbol	CXCL8
NCBI Official Synonym Symbols	IL8; IL-8
NCBI Protein Information	interleukin-8
UniProt Protein Name	Interleukin-8
UniProt Gene Name	CXCL8
UniProt Synonym Gene Names	IL8; IL-8

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.