

Sheep Eosinophil peroxidase (EPX) ELISA Kit | EPX elisa kit

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CATALOG #
AAA244380

REACTIVITY
Sheep

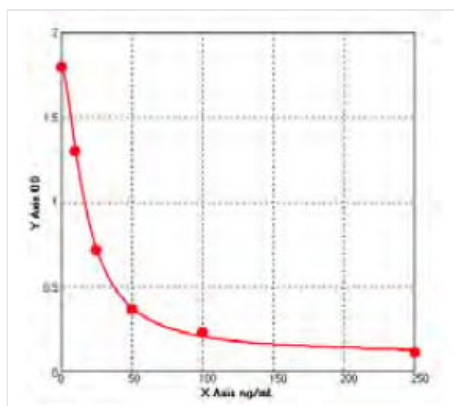
PRODUCT SYNONYMS

Eosinophil peroxidase (EPX); Sheep Eosinophil peroxidase (EPX) ELISA Kit; EPX elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	182146
NCBI GeneID	8288
Molecular Weight	81,040 Da
NCBI Official Full Name	eosinophil peroxidase
NCBI Official Synonym Full Names	eosinophil peroxidase
NCBI Official Symbol	EPX
NCBI Official Synonym Symbols	EPO; EPP; EPX-PEN
NCBI Protein Information	eosinophil peroxidase
UniProt Protein Name	Eosinophil peroxidase
UniProt Gene Name	EPX
UniProt Synonym Gene Names	EPER; EPO; EPP; EPO
UniProt Entry Name	PERE_HUMAN

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/sheep-elisa-kits/eosinophil-peroxidase-epx/244380>