

Bovine lactoperoxidase ELISA Kit | LPO elisa kit

Bovine lactoperoxidase, LPO ELISA Kit

CATALOG #
AAA112435

REACTIVITY
Bovine

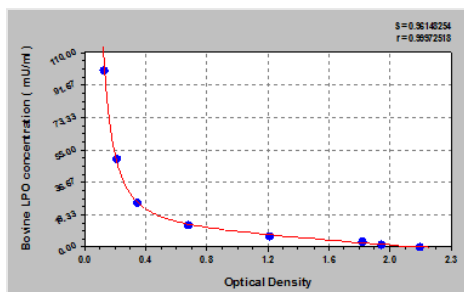
PRODUCT SYNONYMS

lactoperoxidase; Bovine lactoperoxidase; LPO ELISA Kit; Bovine lactoperoxidase (LPO) ELISA kit; MGC129990; MGC129991; SPO; salivary peroxidase; LPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of bovine LPO. No significant cross-reactivity or interference between bovine LPO and analogues was observed.
Sequence Length	712
Assay Type	Competitive
Samples	Breast milk
Detection Range	1.56 mU/ml-100 mU/ml
Sensitivity	< 1.56 mU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPO elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to LPO. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated LPO. The competitive inhibition reaction is launched between with HRP-conjugated LPO and LPO in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of LPO in the sample. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806851
NCBI GeneID	280844
NCBI Accession #	NP_776358.1
NCBI GenBank Nucleotide #	NM_173933.2
UniProt Accession #	P80025
Molecular Weight	80,642 Da
NCBI Official Full Name	lactoperoxidase
NCBI Official Synonym Full Names	lactoperoxidase<
NCBI Official Symbol	LPO
NCBI Protein Information	lactoperoxidase; lactoperoxydase
UniProt Protein Name	Lactoperoxidase
UniProt Gene Name	LPO
UniProt Synonym Gene Names	LPO
UniProt Entry Name	PERL_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/lpo-bovine-ovine-elisa-kits/lactoperoxidase/112435>