Bovine Lactoperoxidase (LPO) CLIA Kit | LPO clia kit

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CATALOG #	REACTIVITY
AAA130345	**Bovine**

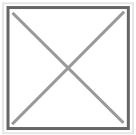
PRODUCT SYNONYMS

Lactoperoxidase (LPO); Bovine Lactoperoxidase (LPO) CLIA Kit; SPO; Salivary peroxidase; LPO clia kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Lactoperoxidase (LPO). No significant cross-reactivity or interference between Lactoperoxidase (LPO) and analogues was observed.
Sequence Length	324
Assay Type	Double-antibody Sandwich
Samples	Tear, Milk and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	5.4pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lactoperoxidase (LPO) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lactoperoxidase (LPO) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPO clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Lactoperoxidase (LPO). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Lactoperoxidase (LPO). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Lactoperoxidase (LPO) level in the sample or standard.;
Product Categories/Family for LPO clia kit	Enzyme & Kinase; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	187224
NCBI GeneID	4025
UniProt Accession #	P22079; Q13408; Q3KNQ2; A5JUY4; E7EMJ3
Molecular Weight	70,984 Da
NCBI Official Full Name	lactoperoxidase, partial
NCBI Official Synonym Full Names	lactoperoxidase
NCBI Official Symbol	LPO
NCBI Official Synonym Symbols	SPO
NCBI Protein Information	lactoperoxidase
UniProt Protein Name	Lactoperoxidase
UniProt Gene Name	**LPO**
UniProt Synonym Gene Names	SAPX; LPO; SPO
UniProt Entry Name	PERL_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/bovine-ovine-clia-kits/lactoperoxidase-lpo/130345