

Bovine Beta-Lactoglobulin (bLg) CLIA Kit | bLg clia kit

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CATALOG #
AAA129929

REACTIVITY
Bovine

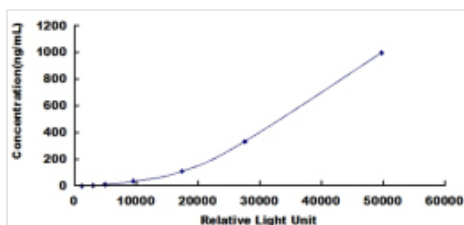
PRODUCT SYNONYMS

Beta-Lactoglobulin (bLg); Bovine Beta-Lactoglobulin (bLg) CLIA Kit; LGB; B-LG; bLg clia kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Beta-Lactoglobulin (bLg). No significant cross-reactivity or interference between Beta-Lactoglobulin (bLg) and analogues was observed.
Sequence Length	178
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	1.37-1,000ng/mL
Sensitivity	0.66ng/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Beta-Lactoglobulin (bLg) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Beta-Lactoglobulin (bLg) 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 bLg clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Beta-Lactoglobulin (bLg). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Beta-Lactoglobulin (bLg). 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 Beta-Lactoglobulin (bLg) level in the sample or standard.;
Product Categories/Family for bLg clia kit	Signal transduction; Infection immunity; Reproductive science; Human gene deletion; Nutrition metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	87196497
NCBI GeneID	280838
NCBI Accession #	NP_776354.2
NCBI GenBank Nucleotide #	NM_173929.3
UniProt Accession #	P02754; Q32P89
Molecular Weight	19,883 Da
NCBI Official Full Name	beta-lactoglobulin
NCBI Official Symbol	PAEP
NCBI Official Synonym Symbols	BLG; LGB
NCBI Protein Information	beta-lactoglobulin
UniProt Protein Name	Beta-lactoglobulin
UniProt Gene Name	LGB
UniProt Synonym Gene Names	Beta-LG
UniProt Entry Name	LACB_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/bovine-ovine-clia-kits/beta-lactoglobulin-blg/129929>