

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

Bovine Beta-Lactoglobulin (bLg) CLIA Kit

CATALOG # AAA189002	REACTIVITY Bovine	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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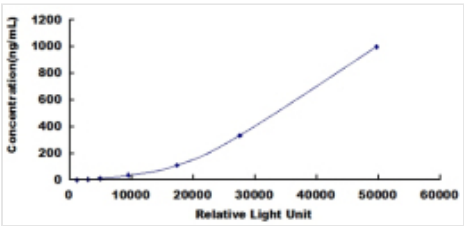
PRODUCT SYNONYMS

Beta-Lactoglobulin (bLg); Bovine Beta-Lactoglobulin (bLg) CLIA Kit; Beta-Lactoglobulin; 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	The minimum detectable dose of this kit is typically less than 0.66ng/mL
Applicable Applications for bLg clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	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%
Test Principle	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.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	87196497
NCBI Accession #	NP_776354.2
NCBI GenBank Nucleotide #	NP_776354.2
UniProt Accession #	P02754
NCBI Official Full Name	beta-lactoglobulin
UniProt Protein Name	Beta-lactoglobulin
UniProt Gene Name	LGB
UniProt Synonym Gene Names	Beta-LG

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/189002>