abcam

Product datasheet

Bovine IgG ELISA Kit ab205078

2 References 1 Image

Overview

Precision

Product name Bovine IgG ELISA Kit

Detection methodColorimetric

Sample	n	Mean	SD	CV%
Overall				< 10%

Inter-assay

Intra-assav

Sample	n	Mean	SD	CV%
Overall				< 10%

Sample type Cell culture supernatant, Milk, Serum, Plasma

Assay type Sandwich (quantitative)

Sensitivity 1.245 ng/ml

Range 3.125 ng/ml - 100 ng/ml

Recovery > 85 %

Sample specific recovery

Sample type	Average %	Range
Serum	> 85	3.125ng/ml - 100ng/ml

Assay time 0h 50m

Assay duration Multiple steps standard assay

Species reactivity Reacts with: Cow

Does not react with: Mouse, Rat, Rabbit, Human

Product overview IgG in vitro ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for the quantitative

measurement of IgG protein in bovine cell culture supernatant, milk, plasma and serum.

Notes In this assay the IgG present in samples reacts with the anti-IgG antibodies which have been

adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-lgG antibodies conjugated with horseradish peroxidase (HRP), are added. These

1

enzyme-labeled antibodies form complexes with the previously bound IgG. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of IgG in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of IgG in the test sample. The quantity of IgG in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution.

Platform

Pre-coated microplate (12 x 8 well strips)

Properties

Storage instructions

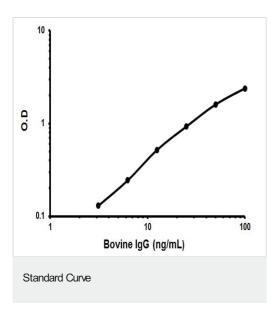
Store at +4°C. Please refer to protocols.

Components	1 x 96 tests
100X HRP Conjugated Enzyme Antibody	1 x 150µl
20X Diluent Concentration	1 x 50ml
20X Wash Buffer Concentrate	1 x 50ml
Anti-Bovine IgG EllSA Microplate	1 unit
Bovine IgG Calibrator (Lyophilized)	1 vial
Chromogen Substrate Solution	1 x 12ml
Stop Solution	1 x 12ml

Relevance

Immunoglobulin G (lgG) are antibody molecules. Each lgG is composed of four peptide chains - two heavy chains and two light chains. Each lgG has two antigen binding sites. Other Immunoglobulins may be described in terms of polymers with the lgG structure considered the monomer.

Images



Representative standard curve using ab205078 Bovine IgG ELISA Kit.

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