



Anti-BOVINE IgG F(c) (RABBIT) Antibody - 601-4103

Code: 601-4103

Size: 2 mg

Product Description: Anti-BOVINE IgG F(c) (RABBIT) Antibody - 601-4103

Concentration: 2.0 mg/mL by UV absorbance at 280 nm

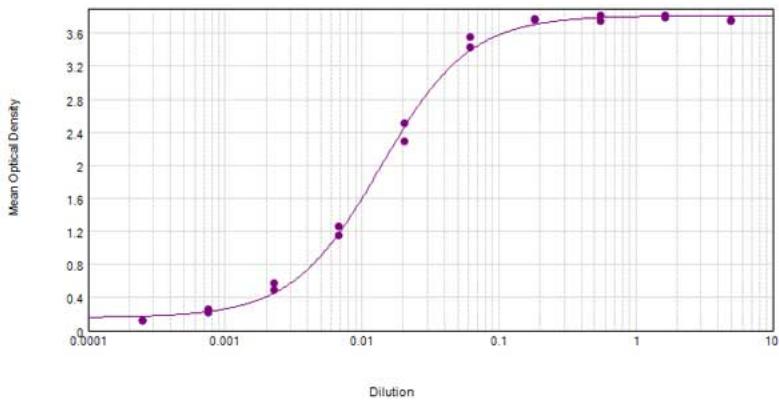
Physical State: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Species Reactivity	Bovine
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Synonyms	rabbit anti-Bovine IgG F(c) Antibody, Rb-a-Bovine IgG F(c), Bovine IgG F(c) Antibody in Rabbit, Rabbit IgG F(c) Secondary Antibody.
Application Note	Bovine IgG F(c) Antibody is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry requiring extremely low background levels, lot-to-lot consistency, high titer and specificity.
Background	Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. This product possesses the F(c) region, recognized by high-affinity Fc receptor proteins.
Purity And Specificity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Bovine IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Bovine IgG, Bovine IgG F(c) and Bovine Serum. No reaction was observed against Bovine IgG F(ab).
Assay Dilutions	User Optimized
ELISA	1:20,000 - 1:100,000
Western Blot	1:2,000 - 1:10,000
Immunohistochemistry	1:1,000 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Anti-Bovine IgG F(c) was produced by repeated immunization with bovine IgG F(c) fragment in rabbit.
Related Products	
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304
B501-0500	BLOTTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500

Images

ELISA results of purified Rabbit anti-Bovine IgG F(c) Antibody tested against purified Bovine IgG F(c). Each well was coated in duplicate with 1.0 µg of Bovine IgG F(c) (p/n 001-0103) The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer and TMB substrate p/n TMBC-1000.

Anti-Bovine IgG F(c) Sensitivity



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.