

Anti-BOVINE IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 601-1302

Code: 601-1302

Size: 2 mL

Product Description: Anti-BOVINE IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 601-1302

Concentration: 0.8 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Peroxidase (Horseradish)
Host	Goat
Buffer	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	15 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	None. Do NOT add sodium azide!
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	goat anti-Bovine IgG peroxidase Conjugated Antibody, goat anti-Bovine IgG HRP Conjugated Antibody
Application Note	Anti-Bovine IgG (heavy and light chain) Antibody is peroxidase conjugated and is suitable for immunoassays where specificity to bovine immunoglobulin is desired. Antibody has been tested by ELISA, western blot immunoblot, and immunohistochemistry. Optimal concentrations in immunoassays should be determined by the researcher.
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(ab) region possessing the epitope-recognition site, both heavy and light chains of the antibody molecule are present. Bovine IgG (H&L) Antibody Peroxidase Conjugated detects Bovine Immunoglobulin G. Immunoglobulin G, IgG, are antibody molecules. Each IgG is a heterotetramer composed of four peptide chains - two heavy chains and two light chains. Each IgG has two F(ab) antigen binding sites.
Purity And Specificity	Anti-Bovine IgG (H&L) Antibody Peroxidase Conjugated was prepared from monospecific antiserum by immunoaffinity chromatography using Bovine IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Bovine IgG and Bovine Serum.
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:100,000
Western Blot	1:10,000 - 1:200,000
Immunohistochemistry	1:500 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Bovine IgG whole molecule
Related Products	
101-1102	Anti-BOVINE IgG (H&L) (GOAT) Antibody - 101-1102
101-1104	Anti-BOVINE IgG F(ab') ₂ (GOAT) Antibody - 101-1104
B304	NORMAL GOAT SERUM (NGS) - B304
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50

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.