

Datasheet for 601-1302**Bovine IgG (H&L) Antibody Peroxidase Conjugated****Overview**

Description:	Goat Anti-Bovine IgG (H&L) Antibody Peroxidase Conjugated - 601-1302
Item No.:	601-1302
Size:	2 mL
Applications:	ELISA, IHC, WB
Reactivity:	Bovine
Host Species:	Goat

Product Details

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.
Synonyms:	goat anti-Bovine IgG peroxidase Conjugated Antibody, goat anti-Bovine IgG HRP Conjugated Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Bovine
Immunogen:	Bovine IgG whole molecule

Purity/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.
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Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	This antibody is supplied in 0.01M Sodium Phosphate, 0.25M NaCl, pH: 7.6. 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:100,000
IHC:	1:500 - 1:5,000
WB:	1:5,000 - 1:200,000

Formulation

Physical State:	Lyophilized
Concentration:	0.8 mg/mL by UV absorbance at 280 nm
Buffer:	See application note.
Preservative:	None. Do NOT add sodium azide!
Stabilizer:	15 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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.

Expiration: Expiration date is one (1) year from date of receipt.

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.