

GOAT IgG whole molecule (BULK ORDER) - 005-0102

Code: 005-0102

Size: 25 mg

Product Description: GOAT IgG whole molecule (BULK ORDER) - 005-0102

Concentration: 11.0 mg/ml by UV absorbance at 280 nm

PhysicalState: Lyophilized

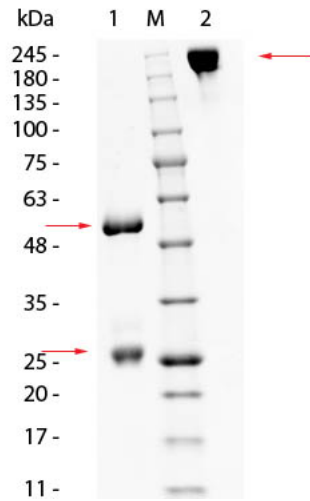
Label	Unconjugated
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.5 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. For extended 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. Goat IgG whole molecule is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	Goat immunoglobulin G
Application Note	Goat IgG whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
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. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present.
Purity And Specificity	Goat IgG whole molecule was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Goat IgG whole molecule assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat IgG and anti-Goat Serum.
Assay Dilutions	User Optimized
ELISA	User Optimized
Western Blot	User Optimized
Immunohistochemistry	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.

Related Products

001-0102	BOVINE IgG whole molecule - 001-0102
008-0102-1000	HORSE IgG whole molecule008-0102-1000
010-0102	MOUSE IgG whole molecule - 010-0102
013-0102	SHEEP IgG whole molecule - 013-0102

Images

1	SDS-PAGE of Goat IgG Whole Molecule. Lane 1: Reduced Goat IgG Whole Molecule. Lane 2: 3 µL OPAL Pre-stained Marker (p/n MB-210-0500). Lane 3: Non-reduced Goat IgG Whole Molecule. Load: 1 µg per lane. Predicted/Observed size: Non-reduced at 160 kDa/observed at 180-200 kDa; Reduced at 55, 25 kDa. Non-reduced migrates at slightly higher molecular weight.
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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.