Native Goat IgG

Cat. No. IgG-340G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Goat
Description	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 compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-afinity 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.
Form	Lyophilized
Applications	ELISA, WB, IHC
Usage	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 properties listed are typical characteristics and are not specifications. All

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	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.
Storage	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.
Concentration	10 mg/ml by UV absorbance at 280 nm
Storage Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative	0.01% (w/v) Sodium Azide
Reconstitution	Restore with deionized water (or equivalent)
Shipping	Ambient

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