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Sheep IgG (BULK ORDER)

Catalog # ASR3584

Product Information

Description	SHEEP IgG whole molecule (BULK ORDER)
Conjugate	Unconjugated
Physical State	Lyophilized
Host Isotype	IgG
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Sheep
Reconstitution Volume	2.5 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

Additional Information

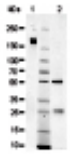
Shipping Condition	Ambient
Application Note	Sheep IgG whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments. Sheep IgG whole molecule is stable at 4° C prior to restoration. It is recommended to aliquot restored Sheep IgG whole molecule and store at -20° C for extended storage and to prevent repeated freeze-thaw cycles.
Purity	Sheep 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. Sheep IgG whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Sheep IgG and anti-Sheep Serum
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. Sheep IgG whole molecule is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

Secreted as part of the adaptive immune response by plasma B cells, Sheep 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.

Images



SDS-Page of Sheep IgG Lane 1: Sheep IgG Non-Reduced Lane 2: Sheep IgG Reduced Load: 1.0 ug per lane Non-Reduced Predicted/Obsevered Size: 160 kDa/160 kDa Reduced Predicted/Obsevered Size: 28 and 55 kDa/28 and 55 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.