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Datasheet for ABIN5633249

Sheep IgG Isotype Control

1 Image

Overview

Quantity:	10 mg
Target:	IgG
Host:	Sheep
Application:	Isotype Control (IsoC), ELISA, Western Blotting (WB)

Product Details

Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>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.</p>

Synonyms: Sheep Immunoglobulin Gamma, Immunoglobulin G

Application Details

Application Notes: Sheep IgG whole molecule can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Restore with deionized water (or equivalent)

Concentration: 10.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: **WARNING:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Storage: 4 °C

Images



Western Blotting

Image 1. 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