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Datasheet for 008-0102

Horse IgG

Overview

Description:	Horse IgG Whole Molecule (BULK ORDER) - 008-0102
Item No.:	008-0102
Size:	50 mg
Applications:	SDS-PAGE
Origin:	Horse

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 compliment 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.
Synonyms:	Horse immunoglobulin G
Species of Origin:	Horse
Format:	IgG
Type:	Native Protein

Target Details

Purity/Specificity:	Horse IgG whole molecule was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and extensive dialysis against the buffer stated above. Horse IgG whole molecule was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Horse IgG, and anti-Horse Serum.
Relevant Links:	• 008-0102 SDS

Application Details

Tested Applications:	SDS-PAGE
Application Note:	House IgG whole molecule was tested in SDS-Page and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	User Optimized
WB:	User Optimized

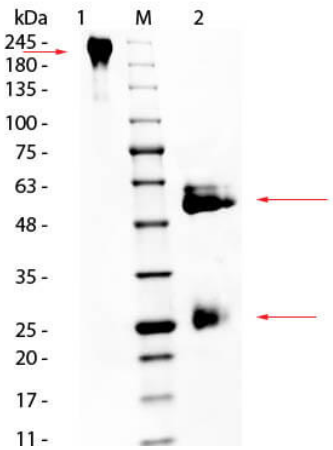
Formulation

Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Reconstitution Volume:	5.0 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. Horse IgG whole molecule 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.

Images



SDS-PAGE

SDS PAGE of Horse IgG Whole Molecule. Lane 1: Non-Reduced Horse IgG Whole Molecule. Lane 2: 5µL Opal Prestained Marker (MB-210-0500). Lane 3: Reduced Horse IgG Whole Molecule. Load: 1µg per lane. Predicted/Observed size: Non-Reduced at 160kDa, Observed at greater than 180; Reduced at 55, 25 kDa. Non-reduced sample migrates higher than predicted size.

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.