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Datasheet for 004-0050

Dog IgG Agarose

Overview

Description:	Dog IgG Whole Molecule Agarose Conjugated - 004-0050
Item No.:	004-0050
Size:	10 mg
Origin:	Dog

Product Details

Background:	Dog IgG whole molecule Agarose Conjugated product is made from IgG, 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:	Dog IgG Whole Molecule Agarose Conjugate, Dog IgG Agarose
Species of Origin:	Dog
Conjugate:	Agarose
Format:	IgG
Type:	Native Protein

Target Details

Purity/Specificity:	This product is normal Dog IgG coupled to activated agarose. A single precipitin arc was observed against anti-Dog Serum when assayed by immunoelectrophoresis prior to coupling to the beads.

Application Details

Application Note:	Dog IgG Agarose is suitable for immunoprecipitation and Immunoaffinity purifications.

Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IP:	User Optimized

Formulation

Physical State:	Suspension of agarose beads
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.5% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. DO NOT FREEZE.
Expiration:	Expiration date is one (1) year from date of receipt.

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.

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