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Datasheet for 200-419-138

Protein G Antibody Agarose Conjugated

Overview

Description:	Anti-Protein G (RABBIT) Antibody Agarose Conjugated - 200-419-138
Item No.:	200-419-138
Size:	20 mg
Reactivity:	Protein G
Host Species:	Rabbit

Product Details

Background:	Anti-Protein G antibody is suitable for detection of Protein G. Protein G is an immunoglobulin-binding protein expressed in group C and G Streptococcal bacteria that is similar to Protein A but with unique binding specificities. Protein G is a 65-kDa (G148 protein G) and a 58 kDa (C40 protein G) cell surface protein that has found application in purifying antibodies through its binding to the Fc region. The native molecule also binds albumin, however, because serum albumin is a major contaminant of antibody sources, the albumin binding site has been removed from recombinant forms of Protein G.
Synonyms:	rabbit anti-Protein G Antibody agarose conjugation, agarose conjugated rabbit anti-Protein G Antibody, Protein G agarose, Anti-IgG binding protein G antibody, IgG binding protein G antibody, immunoglobulin G binding protein G [Precursor] antibody spg antibody
Host Species:	Rabbit
Conjugate:	Agarose
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Protein G
Immunogen Type:	Native Protein
Immunogen:	Protein G (Streptococcus sp.)

Purity/Specificity:	Anti-Protein G antibody is an IgG fraction antibody coupled to activated agarose. Sufficient antibody capacity is provided to bind a minimum of 5 mg of Protein G.

Application Details

Application Note:	Protein G antibody is suitable for molecular biology, enzyme purification or to remove unwanted cross-reactivity. Optimal concentration should be determined by researcher.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Suspension of agarose beads
Concentration:	4 mL suspension; 0.5 cc agarose per mL of suspension; 10.0 mg of antibody per cc agarose
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (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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