



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for 612-103-130****Rat IgG IgA IgM (H&L) Antibody Peroxidase Conjugated****Overview**

<b>Description:</b>	Goat Anti-Rat IgG IgA IgM (H&L) Antibody Peroxidase Conjugated - 612-103-130
<b>Item No.:</b>	612-103-130
<b>Size:</b>	2 mg
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Rat
<b>Host Species:</b>	Goat

**Product Details**

<b>Background:</b>	Rat IgG IgA IgM (H&L) Antibody detects immunoglobulin G, A, and M from Rat. Immunoglobulin G binds to antigens and can neutralize or opsonize targets, and are predominantly involved in the secondary immune response. Immunoglobulin A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA). Immunoglobulin M, or IgM, is a pentamer composed of 5 immunoglobulin molecules linked through their F(c) domain by the J chain.
<b>Synonyms:</b>	goat anti-Rat IgG IgA IgM Antibody peroxidase conjugation, Goat Anti-rat IgGAM HRP conjugated antibody
<b>Host Species:</b>	Goat
<b>Specificity:</b>	IgG IgA IgM
<b>Conjugate:</b>	Peroxidase (HRP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Reactivity:</b>	Rat
<b>Immunogen:</b>	Rat IgG, IgA and IgM whole molecules

<b>Purity/Specificity:</b>	Anti-Rat IgG IgA IgM (H&L) Antibody, Peroxidase Conjugated, was prepared from polyspecific antiserum by immunoaffinity chromatography using Rat antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase and anti-Goat Serum. This reagent is suitable for the detection of all Rat immunoglobulin isotypes and chain combinations.
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## Application Details

<b>Tested Applications:</b>	ELISA
<b>Suggested Applications:</b>	WB (Based on references)
<b>Application Note:</b>	Anti-Rat IgG IgA IgM Antibody Peroxidase Conjugated has been tested by ELISA and is suitable for immunoassays where reactivity to different classes of rat immunoglobulins is desired. Antibody has been tested by ELISA, western blot, and immunohistochemistry. Optimal concentrations in immunoassays should be determined by the researcher.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:100,000
<b>IHC:</b>	1:500-1:1,500
<b>WB:</b>	1:500-1:3,000

## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	2.0 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Thimerosal
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Reconstitution Volume:</b>	1.0 mL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
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**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. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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**Expiration:** Expiration date is one (1) year from date of receipt.

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## References

- D'alessandro-Gabazza, CN et al. Inhibition of lung microbiota-derived proapoptotic peptides ameliorates acute exacerbation of pulmonary fibrosis. *Nature Communications* (2022)

## 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.