

Datasheet for 203-4139

Chicken Red Blood Cell RBC Antibody

Overview

Description:	Anti-Chicken Red Blood Cell (RBC) (RABBIT) Antibody - 203-4139
Item No.:	203-4139
Size:	50 mg
Applications:	Agglutination
Host Species:	Rabbit

Product Details

Background:	Anti-CHICKEN Red Blood Cell Antibody may be used in hemagglutination assays. Haemagglutination assay or HA is a method of quantification for viruses or bacteria by hemagglutination. Some viral families and many bacteria have envelope or surface proteins which are able to agglutinate (stick to) human or animal red blood cells (RBC) and bind to N-acetylneuraminic acid. As each of the agglutinating molecule attaches to multiple RBCs, a lattice-structure will form. Normally, a virus dilution (e.g. 2-fold from 1:4 to 1:4096) will be applied to an RBC dilution (e.g. 0.1% to 0.7% in steps of 0.2%) for approx. 30 min, often at 4° C, otherwise viruses with neuraminidase activity will detach the virus from the RBCs. Then the lattice forming parts will be counted and the titer calculated. The titer of a hemagglutination assay is determined by the last viable "lattice" structure found. This is because it is at the point where, if diluted anymore, the amount of Virus particles will be less than that of the RBCs and thus not be able to agglutinate them together. Anti-CHICKEN Red Blood Cell Antibody is used to sensitize erythrocytes and quantitate agglutination.
Synonyms:	rabbit Anti-chicken RBC antibody, Red blood cell antibody, Antibody for hemagglutination, rabbit anti-chicken red blood cell, rabbit antibody to chicken red blood cells (RBC), haemolysin, hemolysin, erythrocytes sensitizing agent, anti-erythrotyes, anti-erythrocytes antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Immunogen:	Chicken washed pooled Red Blood Cells (RBC)
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Purity/Specificity: This product is an IgG fraction antibody purified from polyspecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.

Relevant Links: • [203-4139 SDS](#)

Application Details

Tested Applications: Agglutination

Application Note: Tested for agglutination of cells on titer plates. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

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

Tissue Data

Tissue Type: Red Blood Cells

Formulation

Physical State: Lyophilized

Concentration: 10.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Sterility: Non-sterile

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

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. This product 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.

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.