

Datasheet for 201-4139**Bovine Red Blood Cell RBC Antibody****Overview**

Description:	Anti-Bovine Red Blood Cell (RBC) (RABBIT) Antibody - 201-4139
Item No.:	201-4139
Size:	50 mg
Applications:	Agglutination
Host Species:	Rabbit

Product Details

Background:	Anti-Bovine Red Blood Cells Antibody recognizes bovine red blood cells and can be used in a variety of agglutination assays where agglutination or clumping of red blood cells is a positive indication of the presence of an analyte, virus particle or bacteria. Red blood cells (RBCs), also known as erythrocytes, are metabolically active cells that are highly adapted to serve their function in blood gas exchange (oxygen/CO ₂ transport). The red blood cells enable the transport of sufficient O ₂ between respiratory surfaces (lungs, gills) and metabolizing tissues by means of their high intracellular concentration of hemoglobin.
Synonyms:	rabbit Anti-bovine RBC antibody, Red blood cell antibody, Antibody for hemagglutination, rabbit anti-bovine red blood cell, rabbit antibody to bovine red blood cells (RBC), haemolysin, hemolysin, erythrocytes sensitizing agent, anti-erythrocytes, anti-erythrocytes antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Immunogen:	Bovine washed pooled Red Blood Cells (RBC)
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:	• 201-4139 SDS

Application Details

Tested Applications:	Agglutination
Application Note:	Anti-Bovine Red Blood Cells Antibody has been tested by agglutination and is suitable for sensitizing cells in hemolytic complement assays, and for lymphocyte screening procedures.
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:	0.02 M Potassium 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.