

Anti-HUMAN Red Blood Cell (RBC) (RABBIT) Antibody - 209-4139

Code: 209-4139

Size: 50 mg

Product Description: Anti-HUMAN Red Blood Cell (RBC) (RABBIT) Antibody - 209-4139

Concentration: 10 mg/ml by UV absorbance at 280 nm

PhysicalState: Lyophilized

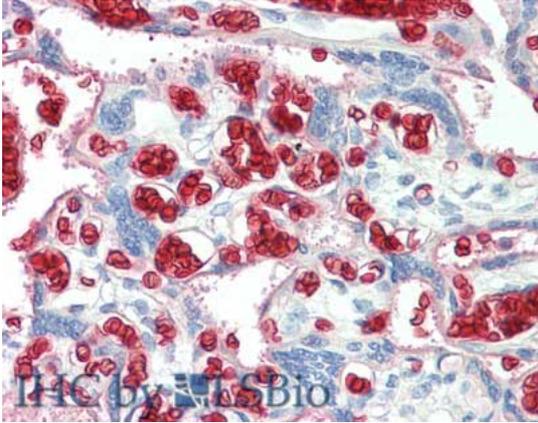
Label	Unconjugated
Host	Rabbit
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	5.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. 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.
Synonyms	rabbit Anti-human RBC antibody, Red blood cell antibody, Antibody for hemagglutination, rabbit anti-human red blood cell, rabbit antibody to human red blood cells (RBC), haemolysin, hemolysin, erythrocytes sensitizing agent, anti-erythrocytes, anti-erythrocytes antibody
Application Note	Anti-Human Red Blood Cells Antibody are useful in immunohistochemistry. This product is suitable for sensitizing cells in hemolytic complement assays, and for lymphocyte screening procedures, especially screening for T cells and T receptor-bearing lymphocytes. This product is suitable for conjugation with enzymes, radiolabels, fluorochromes or other markers. Specific conditions should be optimized by researcher.
Background	Anti-Human Red Blood Cells Antibody recognizes human 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/CO2 transport). The red blood cells enable the transport of sufficient O2 between respiratory surfaces (lungs, gills) and metabolizing tissues by means of their high intracellular concentration of hemoglobin.
Purity And 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.
Assay Dilutions	AGGLUTINATION TITER 1:32 - 1:64
Immunohistochemistry	2.5µg/mL
Other Assays	AGGLUTINATION TITER 1:32 - 1:64
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Human washed pooled Red Blood Cells (RBC)

Related Products

109-4139	Anti-HUMAN Red Blood Cell (RBC) (RABBIT) Antibody - 109-4139
C200-0005	GUINEA PIG COMPLEMENT (lyophilized) with DILUENT - C200-0005
C300-0050	GUINEA PIG COMPLEMENT (fresh frozen) - C300-0050
R314-0050	HUMAN BLOOD in Alsevers - Neg for HIV-I antigens, HCV, STS and HBsAg by FDA Licensed tests. Expires xx/xx/xxxx - R314-0050

Images

Immunohistochemistry of Human Red Blood Cell antibody. Tissue: placenta. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Human Red Blood Cell antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rat secondary antibody at 1:10,000 for 45 min at RT. Staining: Human Red Blood Cell as precipitated red signal with hematoxylin purple nuclear counterstain.



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.