

**Datasheet for 101-4139****Bovine Red Blood Cell RBC Antibody****Overview**

|                      |                                                               |
|----------------------|---------------------------------------------------------------|
| <b>Description:</b>  | Anti-Bovine Red Blood Cell (RBC) (RABBIT) Antibody - 101-4139 |
| <b>Item No.:</b>     | 101-4139                                                      |
| <b>Size:</b>         | 2 mL                                                          |
| <b>Applications:</b> | Agglutination                                                 |
| <b>Host Species:</b> | Rabbit                                                        |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Background:</b>   | 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 <sub>2</sub> transport). The red blood cells enable the transport of sufficient O <sub>2</sub> between respiratory surfaces (lungs, gills) and metabolizing tissues by means of their high intracellular concentration of hemoglobin. |
| <b>Synonyms:</b>     | Anti-RBC antibody, Red blood cell antibody, Antibody for hemagglutination, rabbit anti RBC, rabbit antibody to bovine red blood cells (RBC), haemolysin, hemolysin, erythrocytes sensitizing agent, anti-erythrocytes, anti-erythrocytes antibody                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Format:</b>       | Antiserum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                            |                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | Bovine washed pooled Red Blood Cells (RBC)                                                 |
| <b>Purity/Specificity:</b> | This product was prepared from polyspecific antiserum by a delipidation and defibrination. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li><a href="#">101-4139 SDS</a></li></ul>               |

## Application Details

|                             |                                                                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | Agglutination                                                                                                                                   |
| <b>Application Note:</b>    | Anti-Bovine Red Blood Cells Antibody is suitable for sensitizing cells in hemolytic complement assays, and for lymphocyte screening procedures. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                 |

## Tissue Data

|                     |                 |
|---------------------|-----------------|
| <b>Tissue Type:</b> | Red Blood Cells |
|---------------------|-----------------|

## Formulation

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                             |
| <b>Concentration:</b>         | 80 mg/mL by Refractometry                               |
| <b>Buffer:</b>                | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Sterility:</b>             | Non-sterile                                             |
| <b>Preservative:</b>          | None                                                    |
| <b>Stabilizer:</b>            | None                                                    |
| <b>Reconstitution Volume:</b> | 2.0 mL                                                  |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)            |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Condition:</b>  | 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. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

## Disclaimer

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