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Anti-Sheep Red Blood Cell RBC Secondary Antibody
Rabbit Polyclonal, Unconjugated
Catalog # ASR2647

Specification

Anti-Sheep Red Blood Cell RBC Secondary Antibody - Product Information

Description	**Anti-SHEEP Red Blood Cell (RBC) (RABBIT) Antibody**
Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Sheep**
Clonality	**Polyclonal**
Application	**,,**
Application Note	**AGGLUTINATIONTITER1:32to1:64**
Physical State	**Lyophilized**
Host Isotype	**Antiserum**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Sheep washed pooled Red Blood Cells (RBC)**
Reconstitution Volume	**2.0 mL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**None**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-Sheep Red Blood Cell RBC Secondary Antibody - Additional Information

Shipping Condition
Wet Ice

Purity
This product was prepared from polyspecific antiserum by delipidation and defibrination.

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.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-Sheep Red Blood Cell RBC Secondary Antibody - Protein Information

Anti-Sheep Red Blood Cell RBC Secondary Antibody - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Sheep Red Blood Cell RBC Secondary Antibody - Images

Anti-Sheep Red Blood Cell RBC Secondary Antibody - Background

Anti-SHEEP 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-SHEEP Red Blood Cell Antibody is used to sensitize erythrocytes and quantitate agglutination.