

**Datasheet for 600-401-AJ1****CD59 Antibody****Overview**

|                      |   |
|----------------------|---|
| <b>Description:</b>  | Anti-CD59 (RABBIT) Antibody - 600-401-AJ1 |
| <b>Item No.:</b>     | 600-401-AJ1                               |
| <b>Size:</b>         | 100 µg                                    |
| <b>Applications:</b> | ELISA, WB                                 |
| <b>Reactivity:</b>   | Human, Mouse                              |
| <b>Host Species:</b> | Rabbit                                    |

**Product Details**

|                      |  |
|----------------------|--|
| <b>Background:</b>   | The complement regulatory protein CD59 is a cell surface glycoprotein that regulates complement-mediated cell lysis and is involved in lymphocyte signal transduction. CD59 is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. CD59 also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and ultimately cerebral infarction. |
| <b>Synonyms:</b>     | CD59 Antibody, 1F5, EJ16, EJ30, EL32, G344, MIN1, MIN2, MIN3, M1RL, HRF20, MACIF, MEM43, MIC11, MSK21, 16.3A5, HRF-20, MAC-IP, p18-20, CD59 glycoprotein, 1F5 antigen  |
| <b>Host Species:</b> | Rabbit   |
| <b>Clonality:</b>    | Polyclonal   |
| <b>Format:</b>       | IgG  |

**Target Details**

|                        |   |
|------------------------|---|
| <b>Gene Name:</b>      | CD59  |
| <b>Reactivity:</b>     | Human, Mouse  |
| <b>Immunogen Type:</b> | Conjugated Peptide  |
| <b>Immunogen:</b>      | Anti- CD59 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid peptide near the N-terminus of human CD59. |

**Purity/Specificity:** Anti-CD59 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CD59 from other sources has not been determined.

**Relevant Links:**

- [UniProtKB - P13987](#)
- [GeneID - 966](#)
- [NCBI - NP\\_000602](#)

## Application Details

**Tested Applications:** ELISA, WB

**Application Note:** Anti-CD59 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 14 kDa in Western Blots of specific cell lysates and tissues.

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

**ELISA:** 1:10,000-1:20,000

**WB:** 1-2 µg/mL

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

**Preservative:** 0.02% (w/v) Sodium Azide

**Stabilizer:** None

## Shipping & Handling

**Shipping Condition:** Dry Ice

**Storage Condition:** Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.