

Datasheet for 600-401-AS3**DAF Antibody****Overview**

Description:	Anti-DAF (RABBIT) Antibody - 600-401-AS3
Item No.:	600-401-AS3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The decay-accelerating factor (DAF), also known as CD55, is an integral membrane glycoprotein that is involved in the regulation of the complement cascade (1). DAF limits excessive complement activation by accelerating their decay following DAF binding, thereby disrupting the cascade and preventing damage to host cells (2). Antigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM) (3).
Synonyms:	Decay-accelerating factor, CD55 molecule decay accelerating factor for complement (Cromer blood group), CD55, CR, TC, CROM
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CD55
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DAF antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human DAF.

Purity/Specificity: Anti-DAF antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. DAF antibody is human specific. At least two isoforms of DAF are known to exist; this antibody will only detect the longest isoform.

Relevant Links:

- [UniProtKB - P08174](#)
- [GeneID - 1604](#)
- [NCBI - NP_001108224](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-DAF Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 41 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

IF: 20 µg/mL

IHC: 5 µg/mL

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

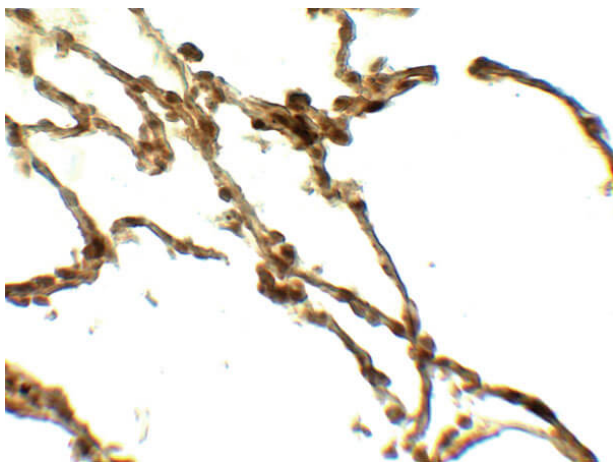
Shipping & Handling

Shipping Condition: Dry Ice

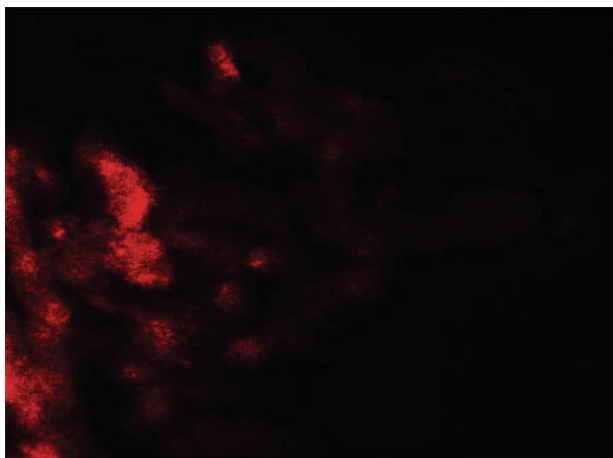
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

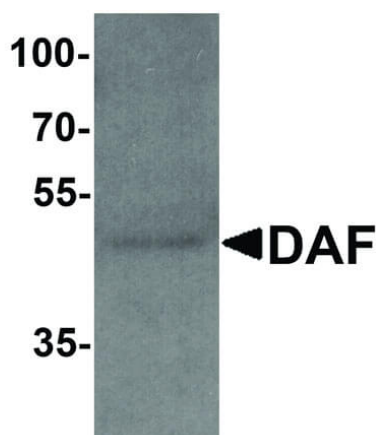
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of Rabbit anti-DAF antibody. Tissue: human lung. Primary antibody: DAF antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: DAF is located on the membrane. Staining: DAF as precipitated brown signal.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of Rabbit anti-DAF antibody. Tissue: human lung. Primary antibody: DAF antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: DAF is located on the membrane. Staining: DAF as red fluorescent signal.

**Western Blot**

Western Blot of Rabbit anti-DAF antibody. Lane A: A549 cell lysate. Primary antibody: DAF antibody at 1 µg/mL overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 48 kDa, 49 kDa for DAF.

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.