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Datasheet for 600-401-X43

AML-ETO Antibody

Overview

Description:	Anti-AML-ETO/RUNX1 (RABBIT) Antibody - 600-401-X43
Item No.:	600-401-X43
Size:	50 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	RUNX1T1 is a putative transcription factor which forms a heterodimer with CBFA2T3. Defects in RUNX1T1 have been associated with acute myeloid leukemia (AML-M2) and may be a cause of colorectal cancer. Anti-AML-ETO Antibody is ideal for research in Gene Expression and Cancer.
Synonyms:	Protein CBFA2T1, Cyclin-D-related protein, Eight twenty one protein, Protein ETO, Protein MTG8, Zinc finger MYND domain-containing protein 2, AML1T1, CBFA2T1, CDR, ETO, MTG8, ZMTND2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RUNX1T1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-AML-ETO Antibody was produced in rabbits by repeated immunizations with three different synthetic peptides from the human AML-ETO fusion protein. The antibody recognizes the ETO (RUNX1T1) part of the fusion protein.
Purity/Specificity:	Anti-AML-ETO Antibody was purified by affinity purification. Cross reactivity with other species was not tested.

Relevant Links:	• UniProtKB - Q06455 • GeneID - 862 • NCBI - NP_001185554.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-AML-ETO Antibody is tested for ELISA and Western Blots. Expect a band approximately 82 kDa in the appropriate cell lysate or extract. A splice variant of AML-ETO may also be detected at approximately 70 kDa (missing 106 C-terminal amino acids). Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:100
WB:	1:1,000

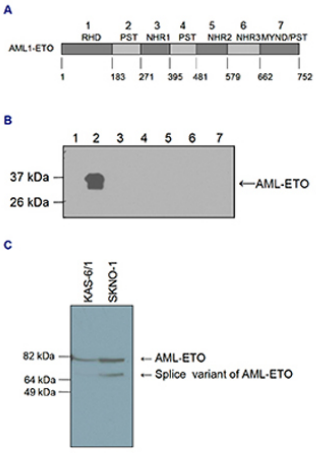
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2µg/µL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide and 0.05% ProClin 300
Stabilizer:	None

Shipping & Handling

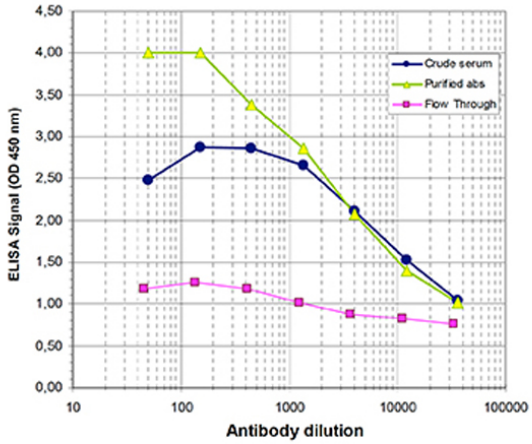
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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



Western Blot

Western blot analysis using Anti-AML-ETO.
Figure A: Schematic representation of the construction of GST-fusion proteins containing different parts of AML-ETO were constructed and run on a 15% polyacrylamide gel.
Figure B: Western blot was performed on seven GST-fusion proteins containing different fragments of AML-ETO (1-7) with Anti-AML-ETO, diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. A molecular weight marker (in kDa) is shown on the left; the location of the protein of interest is indicated on the right. The antibody raised against AML-ETO recognizes the ETO part (lane 2) of the fusion protein.
Figure C: Western blot was performed on nuclear extracts from KAS-6/1 cells (human myeloma cell line) and SKNO-1 cells (human acute myeloblastic leukaemia) with Anti-AML-ETO diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. On the left, a molecular weight marker is shown (in kDa). The location of AML-ETO and a presumed splice variant (missing 106 C-terminal amino acids) are indicated on the right.



ELISA

Determination of the antibody titer of Anti-AML-ETO.
To determine the titer of the antibody, an ELISA was performed using a serial dilution of Anti-AML-ETO, crude serum, and flow through in antigen coated wells. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:5,250.

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.