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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

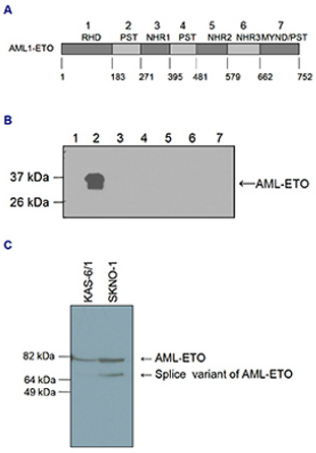
Formulation

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

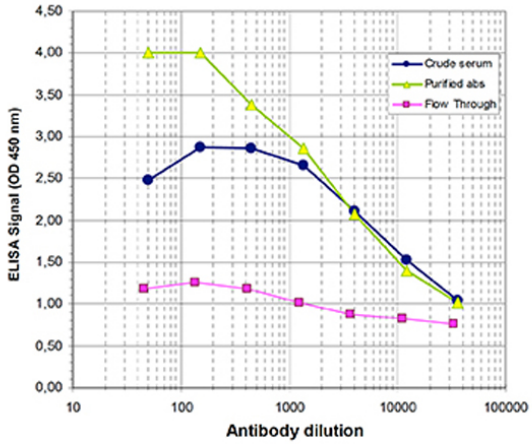
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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

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