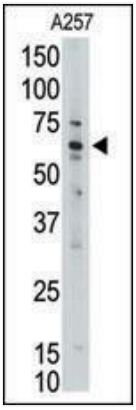
MLLT1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MLLT1, Polyclonal Antibody
Full Product Name	MLLT1, CT (MLLT1, ENL, LTG19, YEATS1, Protein ENL, YEATS domain-containing protein 1) (APC)
Product Gene Name	anti-MLLT1 antibody
Product Synonym Names	MLLT1; ENL; LTG19; YEATS1; Protein ENL; YEATS domain-containing protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	62kDa
OMIM	159556
3D Structure	ModBase 3D Structure for Q03111
Immunogen	MLLT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 530~559 amino acids from the C-terminal region of human MLLT1.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-MLLT1 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-MLLT1 antibody	Western Blot (WB), FLISA
Application Notes for anti-MLLT1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MLLT1 antibody	Chromosome band 11q23 is the site of translocations in myeloid and lymphoid acute leukemias, pediatric leukemias, and treatment-induced secondary acute myelogenous leukemia. The translocation breakpoints cluster in a restricted region of the HRX gene resulting in chimeric genes that encode an N-terminal portion of Hrx fused to various partner proteins. Myeloid/lymphoid or mixed-lineage leukemia translocated to 1 (MLLT1) is a nuclear protein with transcriptional transactivation properties that is fused to Hrx in t(11;19) leukemias. The minimal MLLT1 sequence required for transcription activation was narrowed to the C-terminal 90 amino acids.
Product References and Citations for anti-MLLT1 antibody	Nie, Z., et al., Mol. Cell. Biol. 23(8):2942-2952 (2003). Lavau, C., et al., Proc. Natl. Acad. Sci. U.S.A. 97(20):10984-10989 (2000). Thirman, M.J., et al., Proc. Natl. Acad. Sci. U.S.A. 91(25):12110-12114 (1994). Rubnitz, J.E., et al., Blood 84(6):1747-1752 (1994). Yamamoto, K., et al., Oncogene 8(10):2617-2625 (1993).

Other Notes	Small volumes of anti-MLLT1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MLLT1 purchase	MBS6321153 is an antibody targeting MLLT1. Also known as MLLT1, CT (MLLT1, ENL, LTG19, YEATS1, Protein ENL, YEATS domain-containing protein 1) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MLLT1 antibody
Western blot analysis of anti-MLLT1 Pab in A257 cell line lysate (35ug/lane). MLLT1(arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MLLT1. It may not necessarily be applicable to this product.

NCBI GI #	21361272
NCBI GeneID	4298
NCBI Accession #	NP_005925
UniProt Primary Accession #	Q03111
UniProt Related Accession #	Q03111
GenBank Nucleotide #	NM_005934
NCBI Official Full Name	protein ENL
NCBI Official Synonym Full Names	MLLT1 super elongation complex subunit
NCBI Official Symbol	MLLT1
NCBI Official Synonym Symbols	ENL; LTG19; YEATS1
UniProt Protein Name	Protein ENL
UniProt Synonym Protein Names	YEATS domain-containing protein 1
Protein Family	Protein
UniProt Gene Name	MLLT1
UniProt Synonym Gene Names	ENL; LTG19; YEATS1
UniProt Entry Name	ENL_HUMAN
NCBI Protein Information	protein ENL

UniProt Comments for MLLT1	MLLT1: a transcriptional regulator that can activate transcription from synthetic reporter genes in both lymphoid and myeloid cells. A chromosomal aberration involving MLLT1 is associated with acute leukemias. Protein type: Oncoprotein; Transcription regulation Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: nucleoplasm; transcription elongation factor complex; cytoplasm; nucleolus; nucleus Molecular Function: protein binding; DNA binding Biological Process: transcription from RNA polymerase II promoter; regulation of transcription, DNA-dependent; negative regulation of protein kinase activity
Research Articles on MLLT1	**1.** This review will not only provide a fundamental understanding of the structure and function of ENL and update on the roles of ENL in acute myeloid leukemia, but also the development of new therapeutic strategies
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