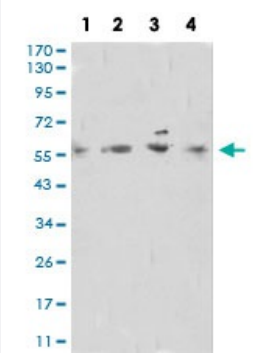
DNTT monoclonal antibody, clone 4B10A6

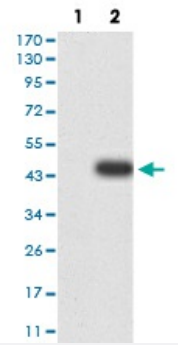
Catalog # MAB17243 Size 100 ug

Applications



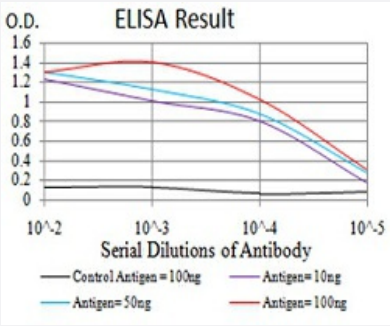
Western Blot (Cell lysate)

Western blot analysis of Lane 1: Raji cell; Lane 2: A549 cell; Lane 3: HeLa cell; Lane 4: PC-12 cell with DNTT monoclonal antibody.



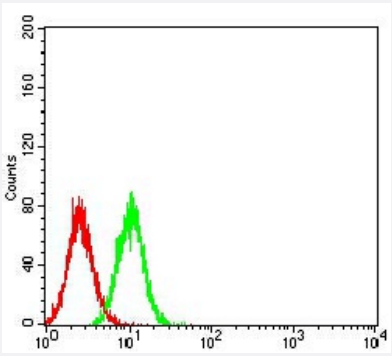
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) DNTT-hIgGFc transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of DNTT monoclonal antibody, clone 4B10A6.



Flow Cytometry

Flow cytometric analysis of HeLa cells with DNTT monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human DNTT.
Immunogen	Recombinant protein corresponding to amino acid 52-192 of human DNTT from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	58.5kDa
Reactivity	Human, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Western Blot (Transfected lysate)

  Western Blot analysis of (1) HEK293 cells, (2) DNTT-hIgGFc transfected HEK293 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of DNTT monoclonal antibody, clone 4B10A6.

- Flow Cytometry

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Gene Info — DNTT

Entrez GeneID	1791
Gene Name	DNTT
Gene Alias	TDT
Gene Description	deoxynucleotidyltransferase, terminal
Omim ID	187410
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the DNA polymerase type-X family and encodes a template-independe nt DNA polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of o ligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of nor mal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates an tigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rear ranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq
Other Designations	DNA nucleotidylexotransferase|OTTHUMP00000020171|nucleosidetriphosphate:DNA deoxynucl eotidylexotransferase|terminal addition enzyme|terminal deoxynucleotidyltransferase|terminal deo xyribonucleotidyltransferase|terminal transferase

Pathway

- Hematopoietic cell lineage
- Non-homologous end-joining

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease