

Mouse TNAP Monoclonal Antibody | anti-TNAP antibody

Anti-TNAP APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129056	Mouse	Dog, Pig, Sheep, Monkey, Goat, Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

TNAP; Monoclonal Antibody; Anti-TNAP APC; alkaline phosphatase; biomineralization associated; Tissue Non-specific Alkaline Phosphatase; MSCA-1; liver/bone/kidney alkaline phosphatase; anti-TNAP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Dog, Pig, Sheep, Monkey, Goat, Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	W8B2B10
Specificity	The mouse monoclonal antibody W8B2B10 recognizes TNAP (tissue non-specific alkaline phosphatase), an ectoenzyme expressed mainly on embryonic stem cells, liver, bone, and kidney cells. This antibody is suitable for characterization of bone marrow-derived MSCs, iPSCs, and ESCs.
Purity/Purification	The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	524
Applicable Applications for anti-TNAP antibody	FCM/FACS (Flow Cytometry)
Immunogen	WERI-RB-1 retinoblastoma cell line
Conjugation	APC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-TNAP antibody	Tissue non-specific alkaline phosphatase (TNAP), also known as liver/bone/kidney alkaline phosphatase, or MSCA-1 (mesenchymal stem cell antigen 1) is a selective marker for the prospective isolation of bone marrow-derived mesenchymal stem cells and mesenchymal stem-like cells. It is expressed at high levels in liver, bone, kidney, or endometrium, as well as on embryonic stem cells (ESCs). TNAP also plays a role in bone mineralization. Mutations in TNAP gene are associated with hypercalcemia and skeletal defects (hypophosphatasia).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116734717
NCBI GeneID	249
NCBI Accession #	NP_000469.3

NCBI GenBank Nucleotide #	NP_000469.3
UniProt Accession #	P05186
NCBI Official Full Name	alkaline phosphatase, tissue-nonspecific isozyme isoform 1 preproprotein
NCBI Official Synonym Full Names	alkaline phosphatase, biomineralization associated
NCBI Official Symbol	ALPL
NCBI Official Synonym Symbols	HOPS; TNAP; TNALP; APTNAP; TNSALP; AP-TNAP
NCBI Protein Information	alkaline phosphatase, tissue-nonspecific isozyme
UniProt Protein Name	Alkaline phosphatase, tissue-nonspecific isozyme
UniProt Gene Name	ALPL
UniProt Synonym Gene Names	AP-TNAP; TNSALP
UniProt Entry Name	PPBT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/tnap-antibody-clone-w8b2b10-flow-cytometry-elisa/129056>