

Mouse anti-Human ALPL / Alkaline Phosphatase Monoclonal Antibody | anti-ALPL antibody

Mouse Monoclonal [clone 2F4] (IgG1) to Human ALPL / Alkaline Phosphatase

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52539	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry

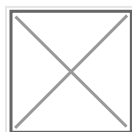
PRODUCT SYNONYMS

ALPL / Alkaline Phosphatase; Monoclonal Antibody; Mouse Monoclonal [clone 2F4] (IgG1) to Human ALPL / Alkaline Phosphatase; Anti-ALPL / Alkaline Phosphatase Antibody (clone 2F4) IHC-plus; ALPL; Alkaline phosphomonoesterase; AP-TNAP; Alkaline phosphatase liver; APTNAP; Glycerophosphatase; Tissue-nonspecific ALP; TNAP; HOPS; Liver alkaline phosphatase; TNSALP; Human ALPL; Alkaline Phosphatase; anti-ALPL antibody

PRODUCT SPECIFICATIONS

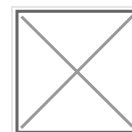
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2F4
Specificity	Human TNAP / ALPL
Purity/Purification	Purified
Form/Format	PBS, 0.05% sodium azide, 0.05% protein stabilizer
Concentration	1 mg/ml (varies by lot)
Sequence Length	524
Applicable Applications for anti-ALPL antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Purified recombinant fragment of human ALPL expressed in E Coli.
Immunogen Type	Recombinant protein
Immunogen	ALPL / Alkaline Phosphatase antibody was raised against purified recombinant fragment of human ALPL expressed in E Coli.
Preparation and Storage	Long term: -20 degree C; Short term: +4 degree C; Avoid freeze-thaw cycles.

IMAGES



ELISA

Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



WB (Western Blot)

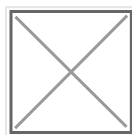
Western blot of ALPL mAb against human ALPL (AA: 18-502) recombinant protein. (Expected MW is 78.9 kDa)

**WB (Western Blot)**

Western blot of ALPL mouse mAb against HeLa (1), and NTERA-2 (4) cell lysate.

**FCM/FACS (Flow Cytometry)**

Flow cytometry of MCF-7 cells using ALPL mouse mAb (green) and negative control (red).

**IHC (Immunohistochemistry)**

Anti-ALPL / Alkaline Phosphatase antibody IHC staining of human kidney.

Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-ALPL antibody

There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2, while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane bound glycosylated enzyme that is not expressed in any particular tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116734717
NCBI GeneID	249
NCBI Accession #	NP_000469.3
NCBI GenBank Nucleotide #	NM_000478.4
UniProt Accession #	P05186; O75090; Q2TAI7; Q59EJ7; Q5BKZ5; Q5VTG5; Q6NZI8; Q8WU32; A1A4E7; B2RMP8; B7Z387; B7Z4Y6
Molecular Weight	51,045 Da
NCBI Official Full Name	alkaline phosphatase, tissue-nonspecific isozyme isoform 1
NCBI Official Synonym Full Names	alkaline phosphatase, liver/bone/kidney
NCBI Official Symbol	ALPL
NCBI Official Synonym Symbols	HOPS; TNAP; APTNAP; TNSALP; AP-TNAP
NCBI Protein Information	alkaline phosphatase, tissue-nonspecific isozyme; glycerophosphatase; tissue-nonspecific ALP; alkaline phosphomonoesterase; liver/bone/kidney-type alkaline phosphatase; alkaline phosphatase liver/bone/kidney 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://stage.aaabiotech.com/monoclonal/alpl-alkaline-phosphatase-antibody-clone-2f4-flow-cytometry-western-blot-immunohistochemistry-elisa/52539>