

Mouse anti-Human Phosphatase, Alkaline, Bone Monoclonal Antibody

Mouse anti-Human Phosphatase, Alkaline, Human, Bone (BAP)

CATALOG # AAA14702	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Phosphatase; Alkaline; Bone; Monoclonal Antibody; Mouse anti-Human Phosphatase; Human; Bone (BAP); Anti -Phosphatase; anti-Phosphatase; Bone antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	O.G.2
Specificity	Recognizes Alkaline Phosphatase from human bone. Crossreactivity: Alkaline phosphatase from human placenta, calf intestine and bacterial.
Purity/Purification	Purified by Protein A affinity chromatography from tissue culture supernatant.
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Phosphatase, Alkaline, Bone antibody	ELISA, WB (Western Blot)
Application Notes	Other applications not tested. Optimal dilutions to be determined by the researcher. Recommended Secondary Antibodies: Please inquire: IgG, H&L (HRP) (X-Adsorbed) Pab Gt x Mo Please inquire: IgG, H&L (HRP) (X-Adsorbed) Pab Gt x Mo
Immunogen	Purified alkaline phosphatase (native) from human bone.
Grade	Affinity Purified
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

Western Blot analysis of bacterial alkaline phosphatase tagged, using AAA14702.

ADDITIONAL INFORMATION

Related Product Information for anti-Phosphatase, Alkaline, Bone antibody	Alkaline phosphatase (AP) is a ubiquitously expressed enzyme which removes phosphate groups from target molecules, including DNA, RNA and alkaloids, under alkaline conditions, and is present at higher concentrations in the placenta (placental AP), intestines (intestinal AP) and liver/bone/kidney (tissue non-specific AP). Although the exact biochemical function of BAP is uncertain, measurement of the serum levels of BAP can be used as a biochemical indicator of bone turnover. Conditions which present with a decrease in the level of BAP (hypophosphatasemia) include the inherited bone-deforming disorder hypophosphatasia and osteoporosis, while an increase in BAP (hyperphosphatasemia) is associated with Paget's disease, bone fractures and osteosarcomas.
Product Categories/Family for anti-Phosphatase, Alkaline, Bone antibody	Antibodies; Abs to Enzymes; Phosphatase

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P05186
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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/phosphatase-alkaline-bone-antibody-clone-0-g-2-western-blot-elisa/14702>