

For Research Use Only

ALPL Monoclonal antibody

Catalog Number: 68719-1-Ig



Basic Information

Catalog Number: 68719-1-Ig	GenBank Accession Number: BC021289	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 249	CloneNo.: 2E3C1
Source: Mouse	UNIPROT ID: P05186	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Full Name: alkaline phosphatase, liver/bone/kidney	
Immunogen Catalog Number: AG33678	Calculated MW: 57 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : pig kidney tissue, rabbit kidney tissue
Species Specificity: Human, pig, rabbit	

Background Information

There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). 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. ALPL (Alkaline phosphatase, tissue-nonspecific isozyme) is also named as AP-TNAP, TNSALP and belongs to the alkaline phosphatase family. It can exist as a homodimer with the molecular weight of 140 kDa (PMID:18724009). ALPL was synthesized as a 66-kDa endo-b-N-acetylglucos-aminidase H (Endo H)-sensitive form, and processed to an 80-kDa mature form, which is anchored to the plasma membrane via glycosylphosphatidylinositol (GPI) (PMID:10839996).

Storage

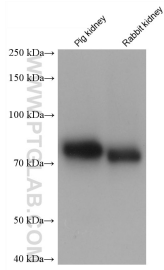
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68719-1-Ig (ALPL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.