

## Anti-Alkaline Phosphatase ALPL Rabbit Monoclonal Antibody

Catalog Number: M01008-1

### About ALPL

Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH. Involved in menthol sensation. Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium.

### Overview

Product Name	Anti-Alkaline Phosphatase ALPL Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Alkaline Phosphatase ALPL Rabbit Monoclonal Antibody catalog # M01008-1. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal DBF-1
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P05186

### Technical Details

Immunogen	A synthesized peptide derived from human Alkaline Phosphatase
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

WB 1:5000-1:10000  
IHC 1:50-1:200  
ICC/IF 1:50-1:100  
IP 1:50  
FC 1:50

## Anti-Alkaline Phosphatase ALPL Rabbit Monoclonal Antibody (M01008-1) Images

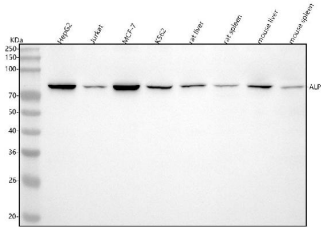


Figure 1. Western blot analysis of ALPL using anti-ALPL antibody (M01008-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HepG2 whole cell lysates,

Lane 2: human Jurkat whole cell lysates,

Lane 3: human MCF-7 whole cell lysates,

Lane 4: human K562 whole cell lysates,

Lane 5: rat liver tissue lysates,

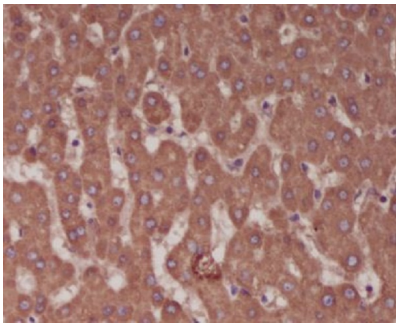
Lane 6: rat spleen tissue lysates,

Lane 7: mouse liver tissue lysates,

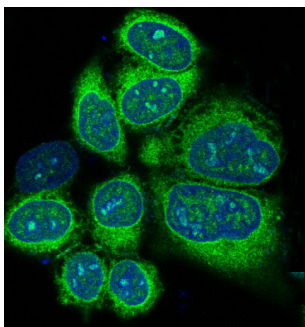
Lane 8: mouse spleen tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes.

Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ALPL antigen affinity purified monoclonal antibody (Catalog # M01008-1) at 1:5000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for ALPL at approximately 80 kDa. The expected band size for ALPL is at 57 kDa.



Immunohistochemical analysis of paraffin-embedded human liver, using Alkaline Phosphatase Antibody.



Immunofluorescent analysis of HeLa cells, using Alkaline Phosphatase Antibody .

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