

LAP (Latency Associated peptide) Monoclonal Antibody (VB3A9), Functional Grade, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	VB3A9
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage Conditions	4° C
RRID	AB_1944400

Applications	Tested	Dilution	Published
Immunoprecipitation (IP)	✓	Assay-Dependent	
Western Blot (WB)	✓	5 µg/mL	

Product Specific Information

Description: This VB3A9 monoclonal antibody recognizes human latency-associated peptide (LAP), also known as the TGF-beta propeptide. Human LAP is a homodimer of 65-75 kDa that is non-covalently associated with TGF-beta and this complex is also referred to as the small latent complex (SLC). LAP can be covalently associated with latent TGF-beta binding proteins (LTBP) through disulfide bonds, forming the large latent complex (LLC). The association of LAP with TGF-beta facilitates its secretion and also renders TGF-beta inactive.

VB3A9 has been reported to cross-react with non-human primate LAP, but does not cross-react with mouse LAP.

Applications Reported: This VB3A9 antibody has been reported for use in immunoblotting (WB) and immunoprecipitation.

Applications Tested: This VB3A9 antibody has been tested by immunoblot analysis of human platelets under reducing conditions at 5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Endotoxin: Less than 0.001 ng/ug antibody as determined by the LAL assay.

Storage and handling: Use in a sterile environment.

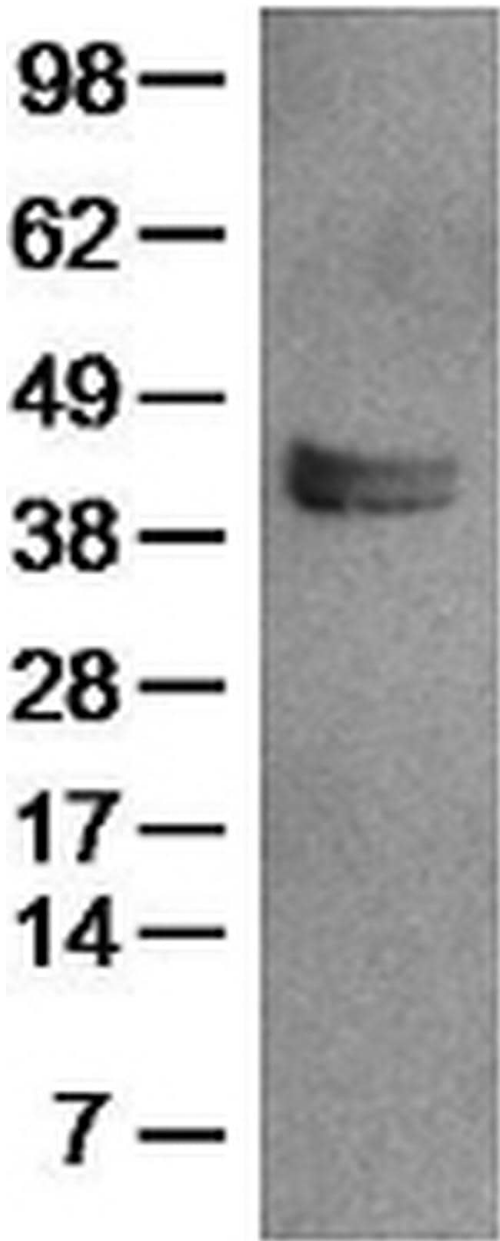
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/μg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

Product Images For LAP (Latency Associated peptide) Monoclonal Antibody (VB3A9), Functional Grade, eBioscience™



LAP (Latency Associated peptide) Antibody (16-9823-82) in WB
Immunoblot analysis of lysate from normal human platelets run on SDS-PAGE under reducing conditions. The membrane was probed with 5 μg/mL Anti-Human LAP (VB3A9) followed by Anti-Mouse IgG HRP.

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