

Product Datasheet

Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) - BSA Free NBP2-22193

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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NBP2-22193

Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) - BSA Free

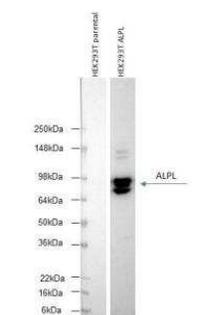
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2F4
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	57.3 kDa

Product Description	
Description	Novus Biologicals Mouse Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) - BSA Free (NBP2-22193) is a monoclonal antibody validated for use in IHC, WB, ELISA and Flow. Anti-Alkaline Phosphatase, Tissue Non-Specific Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	249
Gene Symbol	ALPL
Species	Human
Immunogen	Purified recombinant fragment of human Alkaline Phosphatase, Tissue Non-Specific expressed in E. Coli.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
Application Notes	This antibody is Cytof ready.

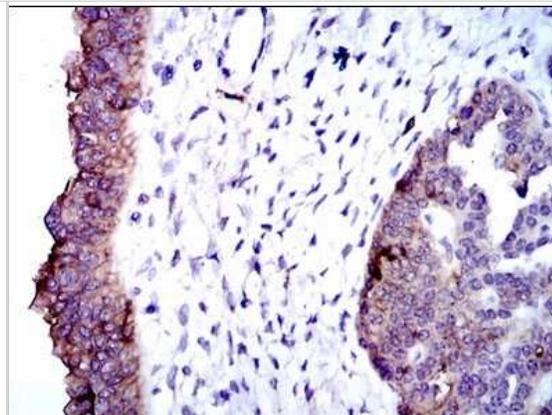
Images

Western Blot: Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) - BSA Free [NBP2-22193] - Analysis of Human engineered ALPL cells using Alkaline Phosphatase. Primary antibody dilution: 1:1000. Image from verified customer review.

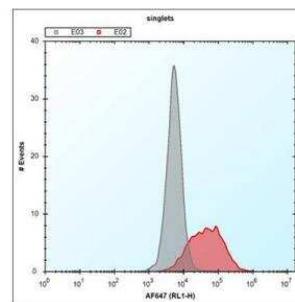


Blotted with NBP2-22193 and anti-mouse-HRP

Immunohistochemistry-Paraffin: Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) [NBP2-22193] - Analysis of ovarian cancer tissues using Alkaline Phosphatase, Tissue Non-Specific mouse mAb with DAB staining.

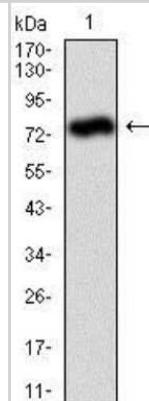


Flow Cytometry: Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) - BSA Free [NBP2-22193] - Analysis of Human engineered ALPL cells using Alkaline Phosphatase. Image from verified customer reviews.

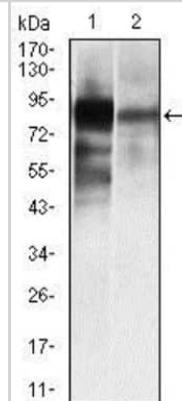


HEK293T ALPL cells, with 2o only
HEK293T ALPL cells, with NBP2-22193 and anti-mouse 2o

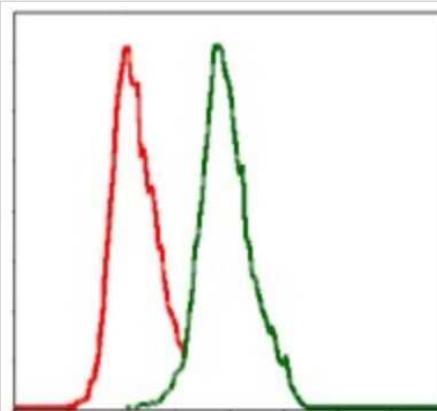
Western Blot: Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) [NBP2-22193] - Analysis using Alkaline Phosphatase, Tissue Non-Specific mAb against human Alkaline Phosphatase, Tissue Non-Specific (AA: 18-502) recombinant protein. (Expected MW is 78.9 kDa)



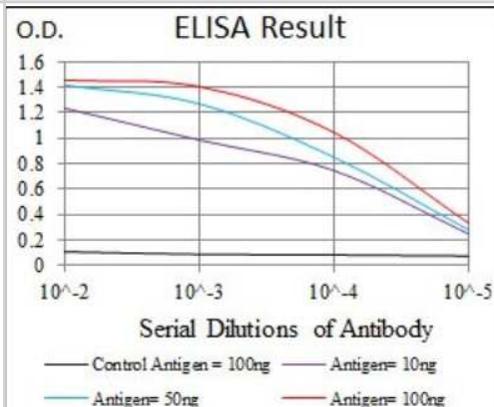
Western Blot: Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) [NBP2-22193] - Analysis using Alkaline Phosphatase, Tissue Non-Specific mouse mAb against HeLa (1), and NTERA-2 (4) cell lysate.



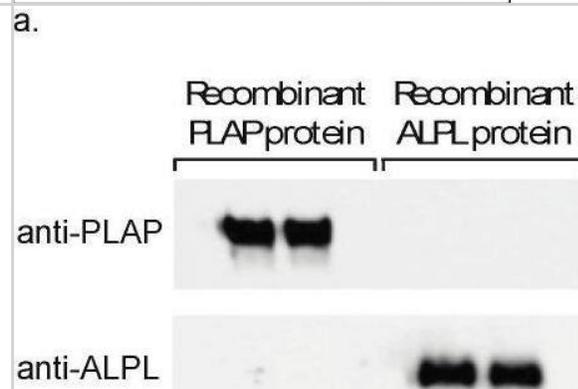
Flow Cytometry: Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) [NBP2-22193] - Analysis of MCF-7 cells using Alkaline Phosphatase, Tissue Non-Specific mouse mAb (green) and negative control (red).



ELISA: Alkaline Phosphatase, Tissue Non-Specific Antibody (2F4) [NBP2-22193] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng)



Validation of EV-CATCHER customized antibodies and characterization of placental EVs. (a). Western blots displaying the specificity of the monoclonal placental alkaline phosphatase antibody against the PLAP recombinant protein (Novus, Centennial, CO, USA, #NBP2-52266) used for EV-CATCHER customization versus the alkaline phosphatase, tissue-nonspecific isozyme antibody against the ALPL recombinant protein (Novus, Centennial, CO, USA, #2909-AP-010). (b). EV-CATCHER assay customized with an anti-PLAP antibody conjugated to a uracilated DNA linker that is connected by a biotin to the bottom of a streptavidin coated well. Using uracil DNA glycosylase (UNG), the immobilized EV-anti-PLAP duplex is released by enzymatic digestion of the double-stranded uracilated DNA linker. (c). Representative Transmission electron microscopy (TEM) images of EVs isolated from placenta previa and placenta percreta maternal plasma, scale bar 100 um. (d). Representative ONi super resolution images of EVs isolated from placenta previa and placenta percreta maternal plasma displaying both high PLAP+ expressing EVs and low PLAP+ expressing EVs, scale bar of 20 um for large field-of-view images and 200 nm for individual representative EVs. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38791142>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Kamadajaja DB, Satriyo H, Setyawan A Et al. Analyses of Bone Regeneration Capacity of Freeze-Dried Bovine Bone and Combined Deproteinized-Demineralized Bovine Bone Particles in Mandibular Defects: The Potential Application of Biological Forms of Bovine-Bone Filler European journal of dentistry 2021-11-23 [PMID: 34814221] (IF/IHC, Rabbit)

Raimondi L, De Luca A, Gallo A et al. Osteosarcoma cell-derived exosomes affect tumor microenvironment by specific packaging of microRNAs Carcinogenesis 2019-07-10 [PMID: 31294446]



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Products Related to NBP2-22193

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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