

Product Datasheet

Alkaline Phosphatase, Intestinal Antibody (3A8) - Azide and BSA Free H00000248-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00000248-M03

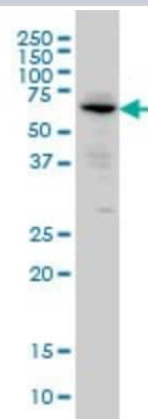
Alkaline Phosphatase, Intestinal Antibody (3A8) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3A8
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	248
Gene Symbol	ALPI
Species	Human
Specificity/Sensitivity	ALPI - alkaline phosphatase, intestinal
Immunogen	ALPI (NP_001622, 74 a.a. ~ 162 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. LKGQKNGKLGPEPLAMDRFPYLALSKTYNVDRQVPDSAATATAYLCGVKANF QTIGLSAAARFNQCNTTRGNEVISVMNRAKQAGKSV
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500, ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

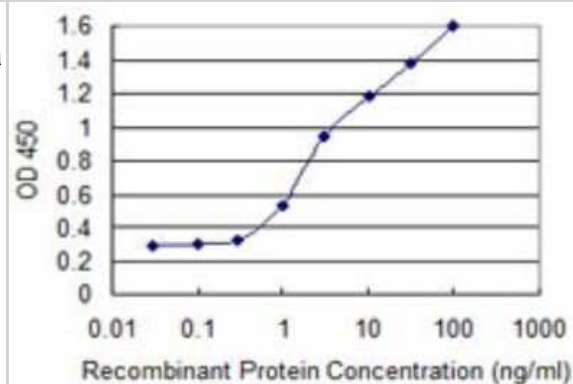


Images

Western Blot: Alkaline Phosphatase, Intestinal Antibody (3A8) [H00000248-M03] - Analysis of ALPI expression in HeLa (Cat # L013V1).



ELISA: Alkaline Phosphatase, Intestinal Antibody (3A8) [H00000248-M03] - Detection limit for recombinant GST tagged ALPI is 0.3 ng/ml as a capture antibody.



Publications

Okada K, Kawao N, Tatsumi K et al. Roles of plasminogen in the alterations in bone marrow hematopoietic stem cells during bone repair. *Bone Rep* 2018-04-27 [PMID: 29955638]

Lechner C, Reichel V, Moenning U et al. Development of a fluorescence-based assay for drug interactions with human Multidrug Resistance Related Protein (MRP2; ABCC2) in MDCKII-MRP2 membrane vesicles. *Eur J Pharm Biopharm.* 2010-03-20 [PMID: 20307659]

Yang B, Cao L, Liu J et al. Low expression of chloride channel accessory 1 predicts a poor prognosis in colorectal cancer *Cancer.* 2015-01-20 [PMID: 25603912] (WB, Human)

Cao L, McCaig CD, Scott RH et al. Polarizing intestinal epithelial cells electrically through Ror2. *J. Cell. Sci.* 2014-06-13 [PMID: 24928904] (WB, Human)

Details:

Antibody used for WB detection of Intestinal alkaline phosphatase (ALPI, a differentiation marker) in C2BBe1 cells which is a subclone of Caco-2 human adenocarcinoma cell line and Ror2WT as well as Ror2 mutant transfectants of C2BBe1 cells (Figures 2 G, H; 3A, E; 4C, E, F, G).

Yang B, Cao L, Liu B et al. The Transition from Proliferation to Differentiation in Colorectal Cancer Is Regulated by the Calcium Activated Chloride Channel A1. *PLoS One* 2013-04-12 [PMID: 23593331] (WB, Human)



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Products Related to H00000248-M03

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00000248-Q01-10ug	Recombinant Human Alkaline Phosphatase, Intestinal GST (N-Term) Protein

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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