

Alkaline phosphatase, Bovine intestine

Cat. No.:	HY-P2818	
CAS No.:	9001-78-9	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	Alkaline phosphatase, Bovine intestine
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (Infinity mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description	Alkaline phosphatase, Bovine intestine (Apase) is a membrane-bound glycoprotein that catalyzes the hydrolysis of phosphate monoesters at alkaline pH. Alkaline phosphatase can be used in molecular biology and enzyme-free analysis. Inhibition of tissue nonspecific alkaline phosphatase can block intracellular lipid accumulation ^{[1][2]} .
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CUSTOMER VALIDATION

- Talanta Open. 2024 Aug, 9, 100288.

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REFERENCES

- [1]. Chirambo GM, et al. The role of alkaline phosphatase in intracellular lipid accumulation in the human hepatocarcinoma cell line, HepG2. Exp Mol Pathol. 2017 Apr;102(2):224-229.
- [2]. Ujjawal Sharma, et al. Alkaline Phosphatase: An Overview. Indian J Clin Biochem. 2014 Jul; 29(3): 269-278.

Caution: Product has not been fully validated for medical applications. For research use only.

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