



Mouse anti-Human ALPI monoclonal antibody, clone 4B9 (CABT-B9752)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	ALPI (NP_001622, 74 a.a. ~ 163 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4B9
Conjugate	Unconjugated
Applications	WB, sELISA, ELISA
Sequence Similarities	LKGQKNGKLGPETPLAMDRLFPYLALKTYNVDRQVPDSAATATAYLCGVKANFQTIGSA AARFNQCNTRGNEVISVMNRAKQAGKSV*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The intestinal alkaline phosphatase
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gene encodes a digestive brush-border enzyme. This enzyme is a component of the gut mucosal defense system and is thought to function in the detoxification of lipopolysaccharide, and in the prevention of bacterial translocation in the gut. [provided by RefSeq, Dec 2014]

Keywords	ALPI; alkaline phosphatase, intestinal; IAP; intestinal-type alkaline phosphatase; Kasahara isozyme; glycerophosphatase; alkaline phosphomonoesterase; intestinal alkaline phosphatase;
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GENE INFORMATION

Entrez Gene ID	248
UniProt ID	P09923
Pathway	Folate biosynthesis, organism-specific biosystem; Folate biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem
Function	alkaline phosphatase activity; hydrolase activity; metal ion binding; protein binding
