

Human PLAP/ALPP Antibody Pair Set

Catalog No.	E-KAB-0482	Applications	ELISA
Synonyms	ALP;ALPP;Alkaline phosphatase;PALP;PLAP;PLAP-1;Placental		

Kit components & Storage

Title	Specifications	Storage
Human PLAP/ALPP Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human PLAP/ALPP Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

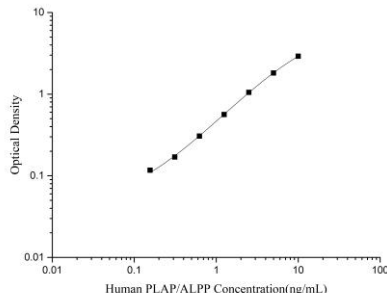
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0482)	
		Human PLAP/ALPP Capture Antibody	Human PLAP/ALPP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human PLAP/ ALPP protien	Recombinant Human PLAP/ ALPP protien
	Swissprot	P05187	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human PLAP/ALPP in ELISAs.	

Applications

Human PLAP/ALPP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Human PLAP/ALPP Capture Antibody	
ELISA Detection	1:1000-1:10000	Human PLAP/ALPP Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

There are at least four distinct but related alkaline phosphatases: intestinal , placental , placental-like , and liver/bone/kidney (tissue non-specific) . The first three are located together on chromosome 2 while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane bound glycosylated enzyme , also referred to as the heat stable form , that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. The coding sequence for this form of alkaline phosphatase is unique in that the 3' untranslated region contains multiple copies of an Alu family repeat. In addition , this gene is polymorphic and three common alleles (type 1 , type 2 and type 3) for this form of alkaline phosphatase have been well characterized.