

## Product datasheet for **CF506374**

### Alkaline Phosphatase (ALPP) Mouse Monoclonal Antibody [Clone ID: OTI1H2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H2
Applications:	WB
Recommended Dilution:	WB 1:200~1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ALPP(NP_001623) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55.5 kDa
Gene Name:	alkaline phosphatase, placental
Database Link:	<a href="#">NP_001623</a> <a href="#">Entrez Gene 250 Human</a> <a href="#">P05187</a>



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**Background:**

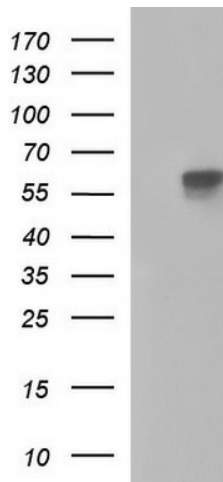
There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2 while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane 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. [provided by RefSeq, Jul 2008]

**Synonyms:**

ALP; PALP; PLAP; PLAP-1

**Protein Pathways:**

Folate biosynthesis, Metabolic pathways

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ALPP (Cat# [RC210504], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ALPP (Cat# [TA506374]). Positive lysates [LY419831] (100ug) and [LC419831] (20ug) can be purchased separately from OriGene.