Data Sheet (Cat.No.TMAB-11512)

TargetMol

Anti-Placental alkaline phosphatase (PLAP) Antibody (1F653)

Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human
Molecular Weight:	Theoretical: 53 kDa. Actual: 68 kDa.
Clone:	1F653
Purification:	Protein A purified

Applications

Verified Activity:	25 μg total protein per lane of various lysates (see on figure) probed with Placental alkaline phosphatase (PLAP) monoclonal antibody, unconjugated (TMAB-11512) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Placental alkaline phosphatase
Antigen Species:	Human
Gene ID:	250
Uniprot ID:	P05187

Research 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]

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481