

Immunotag™ Placental alkaline phosphatase (PLAP) mouse mAb

Antibody Specification	
Catalog No.	ITM1349
Product Description	Immunotag™ Placental alkaline phosphatase (PLAP) mouse mAb
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PLAP
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB
Recommended Dilution	wb 1:1000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant Placental alkaline phosphatase (PLAP) protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Placental alkaline phosphatase (PLAP) and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	alpp
Accession No.	P05187

Antibody Specification

Alternate Names	Alkaline phosphatase; Alkaline phosphatase placental; Alkaline phosphatase placental type; Alkaline phosphatase Regan isozyme; ALP; Alp1; ALPP; FLJ61142; Germ-cell alkaline phosphatase; nagao isozyme; OTTHUMP00000164354; PALP; Placental alkaline phosphatase 1; placental heat-stable alkaline phosphatase; placental type; PLAP; PLAP-1; PLAP1; PPB1_HUMAN.
Description	alkaline phosphatase, placental(ALPP) Homo sapiens The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. The protein is primarily expressed in placental and endometrial tissue; however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. [provided by RefSeq, Jan 2015],
Cell Pathway/ Category	Folate biosynthesis,
Protein Expression	Cervix,Placenta,
Subcellular Localization	plasma membrane,cell surface,integral component of membrane,anchored component of membrane,
Protein Function	catalytic activity:A phosphate monoester + H(2)O = an alcohol + phosphate.,cofactor: Binds 1 magnesium ion.,cofactor: Binds 2 zinc ions.,miscellaneous: In most mammals there are four different isozymes: placental, placental-like, intestinal and tissue non-specific (liver/bone/kidney).,online information: Alkaline phosphatase entry, polymorphism: Placental ALP is highly polymorphic, there are at least three common alleles.,similarity: Belongs to the alkaline phosphatase family.,subunit: Homodimer.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.