

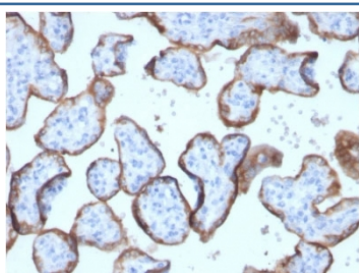
Recombinant Placental Alkaline Phosphatase Antibody [clone ALPP/2899R] (V3993)

Catalog No.	Formulation	Size
V3993-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3993-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3993SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3993IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

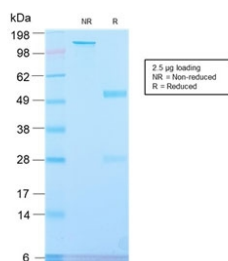
Recombinant **RABBIT MONOCLONAL**

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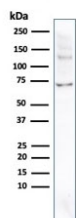
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	ALPP/2899R
Purity	Protein A affinity chromatography
UniProt	P05187
Localization	Cytoplasmic and cell surface
Applications	Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT Western Blot : 1-2ug/ml
Limitations	This recombinant Placental Alkaline Phosphatase antibody is available for research use only.



IHC testing of FFPE human placenta with recombinant Placental Alkaline Phosphatase antibody (clone ALPP/2899R).



SDS-PAGE analysis of purified, BSA-free recombinant Placental Alkaline Phosphatase antibody (clone ALPP/2899R) as confirmation of integrity and purity.



Western blot testing of human JEG-3 cells with recombinant Placental Alkaline Phosphatase antibody (clone ALPP/2899R). Predicted molecular weight ~58 kDa but routinely visualized at 60-70 kDa.

Description

PLAP is a tissue specific, trophoblast-derived, 70kDa, glycosyl-phosphatidylinositol (GPI)-anchored, dimeric, Zn²⁺ metallo-glycoprotein that catalyzes the hydrolysis of phosphomonoesters into an inorganic phosphate and an alcohol. It is present in the placenta and serum of pregnant women and in high frequency in gynecological and testicular cancers and in lower frequency in other tumors. The three tissue-specific AP's in humans, PLAP, germ cell AP (GCAP) and intestinal AP, are 90-98% homologous. Non-tissue specific AP is found in kidney, liver and bone. This mAb binds equally well to all common allelic variants (S, F, FS and I) of PLAP and to some variants of AP from normal human testis. This mAb can be used as tracer antibody in ELISA to detect PLAP in serum of S, F, FS and I phenotypes.

Application Notes

Optimal dilution of the recombinant Placental Alkaline Phosphatase antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant Placental Alkaline Phosphatase antibody.

Storage

Store the recombinant Placental Alkaline Phosphatase antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).