Recombinant Alkaline Phosphatase (Placental) / PLAP (Germ Cell Tumor Marker) Antibody

Mouse Monoclonal Antibody [Clone rALP/870]

Catalog No	Format	Size
250-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
250-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
250-MSM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

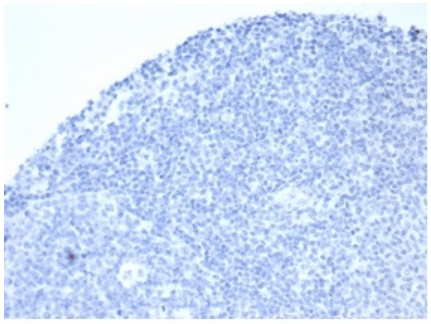
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

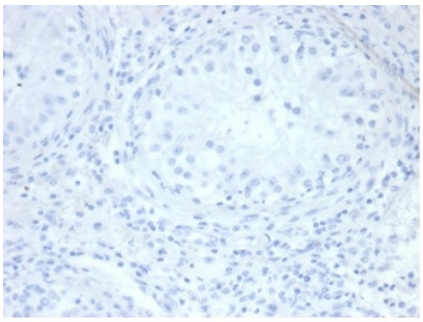
Clone	rALP/870
Immunogen	Recombinant full-length human PLAP protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	57.95kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	JEG-3 or HepG2 cells. Human placenta or seminoma.

**Optimal dilution for a specific application should be determined.*

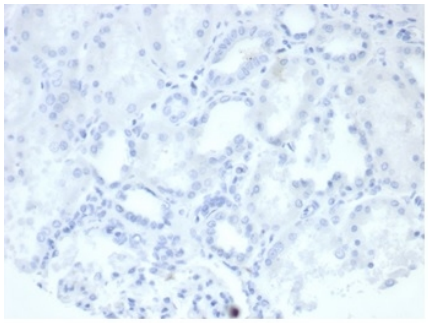
Product Images for Recombinant Alkaline Phosphatase (Placental) / PLAP (Germ Cell Tumor Marker) Antibody



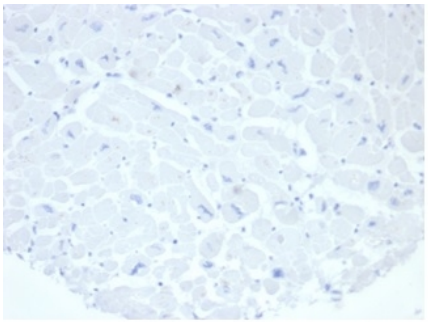
IHC analysis of formalin-fixed, paraffin-embedded human tonsil. Negativetissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



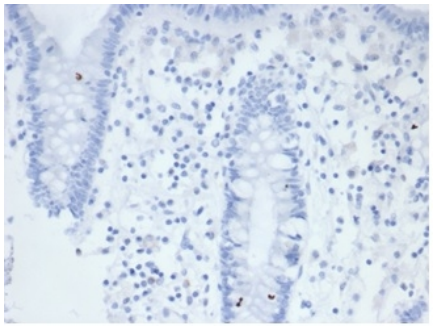
IHC analysis of formalin-fixed, paraffin-embedded human testis. Negativetissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



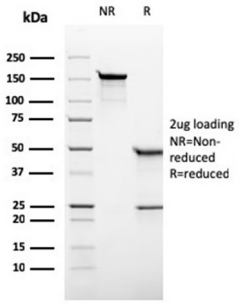
IHC analysis of formalin-fixed, paraffin-embedded human kidney. Negative tissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



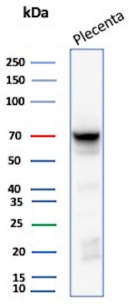
IHC analysis of formalin-fixed, paraffin-embedded human heart. Negative tissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



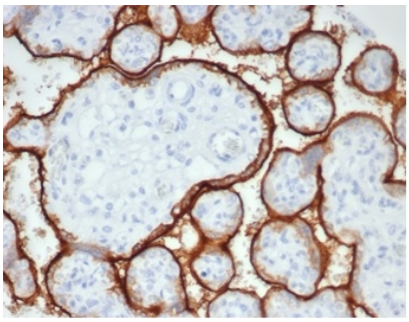
IHC analysis of formalin-fixed, paraffin-embedded human colon. Negativetissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis Purified Alkaline Phosphatase Recombinant Mouse Monoclonal (rALP/870). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human Plecenta tissue lysate using PLAP Recombinant Mouse Monoclonal Antibody (rALP/870).



IHC analysis of formalin-fixed, paraffin-embedded human placenta stainedusing rALP/870 at 2ug/ml in PBS for 30min RT.

Specificity & Comments

Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase. Anti-PLAP reacts with germ cell tumors and can discriminate between these and other neoplasms. Somatic neoplasms e.g. breast, gastrointestinal, prostatic, and urinary cancers may also immunoreact with antibodies to PLAP. Anti-PLAP positivity in conjunction with anti-keratin negativity favors seminoma over carcinoma. Germ cell tumors are usually anti-keratin positive, but they regularly fail to stain with anti-EMA, whereas most carcinomas stain with anti-EMA. Anti-PLAP has been useful in the diagnosis of gestational trophoblastic disease.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

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