



Cat nr AE00338

Product Datasheet

Rat Recombinant Antibody, rPMab-1 to:

Podoplanin (Map epitope tag)

RANDAM-2; T1-alpha; T1alpha; E11; Gp38; OTS-8; Pdpn; T1a

The Map tag is used as epitope tag for the detection of recombinant proteins tagged with the Map tag sequence.

Cellular localization Plasma membrane

Official Symbol (Gene) Pdpn
GenelD 14726
SwissProt Q62011

Confirmed Applications IAP, IHC, IP, WB
Positive controls kidney, lung, B16-F10

Aeonian Rating© 100

Purification By Protein A from bioreactor concentrate

Formulation 1 mg IgG/ml in PBS with 0.02% Proclin 300

Amount 200ug 1000ug

Isotype Rat IgG2a, kappa, recombinant version of clone PMab-1

Confirmed species reactivity Mouse

Immunogen Synthetic peptide GDGMVPPGIEDKIT-C, conjugated to KLH

Epitope aa 38-45 (GDGMVPPG), Wakasa et al

Storage instructions Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.

Expiration Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.

Warranty This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.

Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance see next pages

Product data:**ImmunoAffinity Purification (IAP):**

The original clone PMab-1 was successfully used to purify MAP-tagged ATRX (aa 2273–2413) from E.coli lysates and soluble forms of EGFR and HER2 from LN229 supernatants

Fujii Y, Kaneko MK, Kato Y. MAP Tag: A Novel Tagging System for Protein Purification and Detection. *Monoclon Antib Immunodiagn Immunother.* 2016 Dec;35(6):293-299. doi: 10.1089/mab.2016.0039. PMID: 27801621.

ImmunoHistoChemistry (IHC):

The original clone PMab-1 was successfully used to stain sections of mouse kidney, lung, and sublingual gland tissues, consistently with another Podoplanin monoclonal antibody

Kaji C, Tsujimoto Y, Kato Kaneko M, Kato Y, Sawa Y. Immunohistochemical Examination of Novel Rat Monoclonal Antibodies against Mouse and Human Podoplanin. *Acta Histochem Cytochem.* 2012 Aug 30;45(4):227-37. doi: 10.1267/ahc.12008. PMID: 23012488

Western Blot (WB):

The original clone PMab-1 was successfully used to detect endogenous Podoplanin in B16-F10 lysates.

Kaji C, Tsujimoto Y, Kato Kaneko M, Kato Y, Sawa Y. Immunohistochemical Examination of Novel Rat Monoclonal Antibodies against Mouse and Human Podoplanin. *Acta Histochem Cytochem.* 2012 Aug 30;45(4):227-37. doi: 10.1267/ahc.12008. Epub 2012 Jul 25. PMID: 23012488

Immuoprecipitation (IP):

The original clone PMab-1 was successfully used to pull down internally MAP-tagged Fibronectin, using PMab-1-Sepharose beads.

Wakasa A, Kaneko MK, Kato Y, Takagi J, Arimori T. Site-specific epitope insertion into recombinant proteins using the MAP tag system. *J Biochem.* 2020 Oct 1;168(4):375-384. doi: 10.1093/ib/mvaa054. PMID: 32386302.