

## Product Datasheet

### Anti-Podoplanin (MAP tag) [PMab-1] (orb758778)

<b>Description</b>	Rat monoclonal antibody to Podoplanin (MAP tag)
<b>Species/Host</b>	Rat
<b>Reactivity</b>	Mouse
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	Blocking, ELISA, IHC, WB
<b>Immunogen</b>	This antibody was raised by immunising rats with 14-residue synthetic peptide mpp3851, which corresponds to amino acids 38-51 (GDGMVPPGIEDKIT) of the platelet-aggregation-stimulating (PLAG) domain of mouse podoplanin. Spleen cells were then harvested, and fused to P3U1 cells to generate stable hybridomas.
<b>Target</b>	Podoplanin (MAP tag)
<b>Preservatives</b>	PBS with 0.02% Proclin 300.
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Isotype</b>	IgG2a
<b>Clonality</b>	Monoclonal
<b>Clone Number</b>	PMab-1
<b>Purity</b>	Purified
<b>Uniprot ID</b>	<b>Q62011</b>

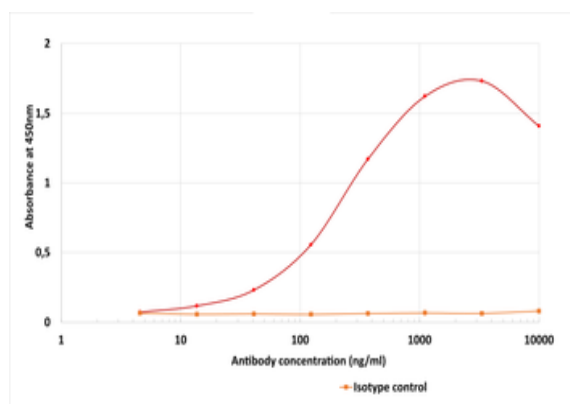
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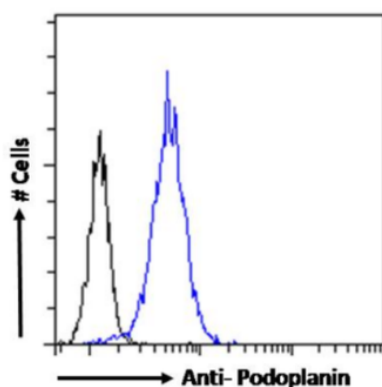
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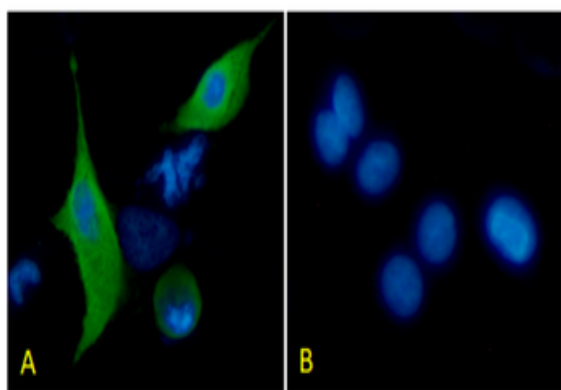
**Expiration Date** 12 months from date of receipt.



ELISA using PMAb-1 and Multi Tag protein 2. Binding curves of the mouse IgG1 chimeric version of the anti-MAP antibody PMAb-1 (red line) and isotype control (orb256381, anti-fluorescein; orange line) to an ELISA plate coated with Multi Tag protein 2 at a concentration of 5 µg/ml.



Flow-cytometry using the anti-Podoplanin (MAP tag) antibody PMAb-1 NIH3T3 cells were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, black line) or the rabbit IgG-chimeric version of PMAb-1 (orb758777, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



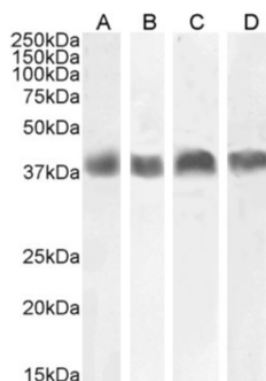
Immunofluorescence staining of HEK293 cells with Anti-Podoplanin (MAP tag) PMAb-1. Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells transfected with Podoplanin (MAP tag) expressing plasmid (A) and non-transfected HEK293 cells (B), permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of PMAb-1 (orb758777) (1:200 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue).

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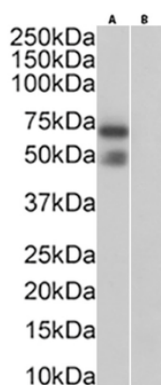
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Western Blot using anti-Podoplanin (MAP tag) antibody PMab-1 (orb758777) Mouse thymus (A), mouse brain (B), NIH3T3 cells (C) and mouse kidney (D) lysates (35 µg protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit IgG version of 1B4 (orb613976) at 0.01 µg/ml, 0.1 µg/ml, 0.001 µg/ml and 0.003 µg/ml, respectively, before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



Western Blot using Anti-Podoplanin (MAP tag) antibody PMab-1. Podoplanin (MAP tag) expressing plasmid transfected (A) and non-transfected (B) HEK293 cells lysate (3 µg protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of PMab-1 (orb758777) at 0.00001 µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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