

## Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Antibody

Mouse Monoclonal Antibody [Clone SPM611]

Catalog No	Format	Size
7306-MSM2X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7306-MSM2X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7306-MSM2X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

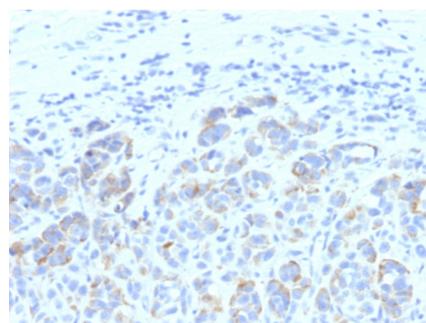
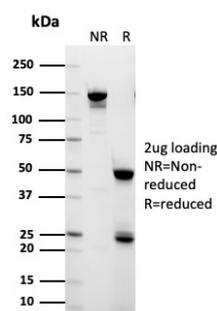
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

<b>Clone</b>	SPM611
<b>Gene Name</b>	TYRP1
<b>Immunogen</b>	Recombinant full-length human TYRP1 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2a / Kappa
<b>Mol. Weight of Antigen</b>	75kDa
<b>Cellular Localization</b>	Melanosome, Melanosome membrane
<b>Species Reactivity</b>	Human, Mouse
<b>Positive Control</b>	SK-MEL-19, SK-MEL-23, SK-MEL-30, SK-MEL-37 cells. Melanoma.

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

### Product Images for Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Antibody



SDS-PAGE Analysis of Purified 5,6-dihydroxyindole-2-carboxylic acid oxidase Mouse Monoclonal Antibody (SPM611). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human Melanoma stained with TYRP1 MAB (SPM611)

**Specificity & Comments**

It reacts with a 75kDa melanocyte-specific gene product, identified as Tyrosinase-related protein-1 (TRP-1). It is involved in melanin synthesis. TRP1 is present on the melanosomal membranes of melanoma, normal melanocytes and nevi. Recent evidence suggests that TRP-1 is involved in maintaining stability of tyrosinase protein and modulating its catalytic activity. TRP-1 is also involved in maintenance of melanosome ultrastructure and affects melanocyte proliferation and cell death.

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**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.

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**Supplied As**

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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**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.

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**Research Areas**

Cardiovascular

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