

## Recombinant Tyrosinase (Melanoma Marker) Antibody

Mouse Monoclonal Antibody [Clone rOCA1/812]

Catalog No	Format	Size
7299-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7299-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7299-MSM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

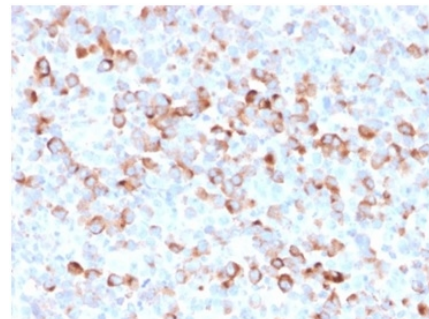
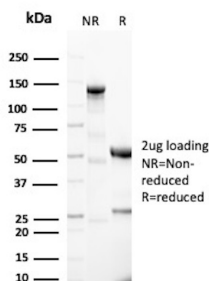
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	rOCA1/812
<b>Immunogen</b>	Recombinant full-length human Tyrosinase protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	60.39kDa
<b>Cellular Localization</b>	Melanosome, Melanosome membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	SK-MEL-13, SK-MEL-19, SK-MEL-30 or SK-MEL-37 cells. Human melanoma.

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

### Product Images for Recombinant Tyrosinase (Melanoma Marker) Antibody



SDS-PAGE Analysis of Purified Tyrosinase Recombinant Mouse Monoclonal Antibody (rOCA1/812). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded Melanoma stained with Tyrosinase Mouse Recombinant Monoclonal Antibody (rOCA1/812).

### **Specificity & Comments**

Recognizes a cluster of proteins between 70-80kDa, identified as tyrosinase. Occasionally a minor band at 55kDa is also detected. This MAb shows no cross-reaction with MAGE-1 and tyrosinase-related protein 1, TRP-1/gp75. Tyrosinase is a copper-containing metalloglycoprotein that catalyzes several steps in the melanin pigment biosynthetic pathway; the hydroxylation of tyrosine to L-3,4-dihydroxy-phenylalanine (dopa), and the subsequent oxidation of dopa to dopaquinone. Mutations of the tyrosinase gene occur in various forms of albinism. Tyrosinase is one of the targets for cytotoxic T-cell recognition in melanoma patients. Staining of melanomas with this MAb shows tyrosinase in melanotic as well as amelanotic variants. This MAb is a useful marker for melanocytes and melanomas.

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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 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.

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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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