

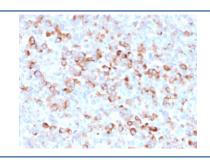
# Recombinant TYR Antibody / Tyrosinase [clone rOCA1/812] (V3658)

Catalog No.	Formulation	Size
V3658-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3658-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3658SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3658IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

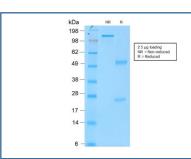
# Recombinant MOUSE MONOCLONAL

# **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rOCA1/812
Purity	Protein G affinity chromatography
UniProt	P14679
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This recombinant Tyrosinase antibody is available for research use only.



IHC staining of FFPE human Melanoma with recombinant Tyrosinase antibody (clone rOCA1/812). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH9, or 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant Tyrosinase antibody (clone rOCA1/812) as confirmation of integrity and purity.

## **Description**

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.

## **Application Notes**

Optimal dilution of the recombinant Tyrosinase antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

### **Immunogen**

Recombinant protein was used as the immunogen for this recombinant Tyrosinase antibody.

#### **Storage**

Store the recombinant Tyrosinase antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).