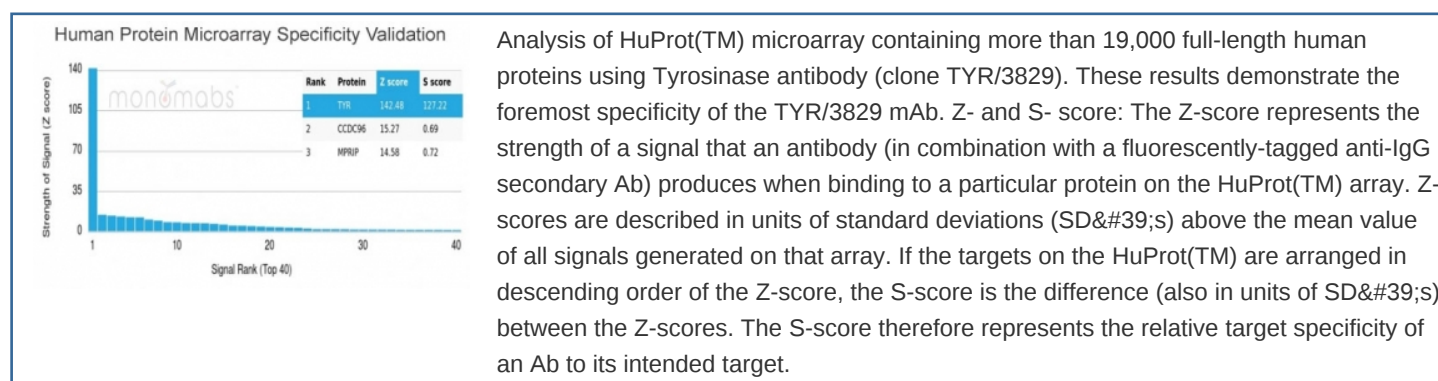


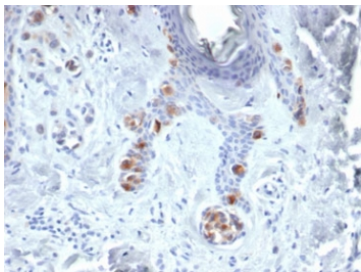
Tyrosinase Antibody / TYR [clone TYR/3829] (V8818)

Catalog No.	Formulation	Size
V8818-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8818-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8818SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

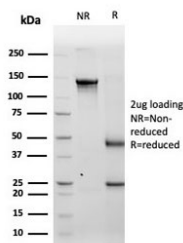
[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TYR/3829
Purity	Protein A/G affinity
UniProt	P14679
Localization	Cytoplasmic
Applications	Flow Cytometry : 0.5-1ug/million cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Tyrosinase antibody is available for research use only.





IHC staining of FFPE human skin tissue with Tyrosinase antibody (clone TYR/3829).
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Tyrosinase antibody (TYR/3829) as confirmation of integrity and purity.

Description

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.

Application Notes

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

Immunogen

A portion of amino acids 332-474 was used as the immunogen for the Tyrosinase antibody.

Storage

Aliquot the Tyrosinase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.