

Anti-Tyrosinase Antibody [T311] - BSA and Azide free (A253419)

Specifications:

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| Name: | Anti-Tyrosinase Antibody [T311] - BSA and Azide free |
| Description: | Mouse monoclonal [T311] antibody to Tyrosinase. |
| Specificity: | This antibody 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. |
| Applications: | Flow Cytometry, IF, IHC-P |
| Recommended Dilutions: | Flow Cytometry: 0.5-1 µg/million cells, IF: 1-2 µg/ml, IHC-P: 1-2 µg/ml |
| Reactivity: | Human |
| Immunogen: | Recombinant Tyrosinase protein. |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Clone ID: | T311 |
| Isotype: | IgG2a |
| Light Chains: | kappa |
| Conjugate: | Unconjugated |
| Purification: | Protein A/G chromatography. |
| Concentration: | 1 mg/ml |
| Product Form: | Liquid |
| Formulation: | Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free. |
| Storage: | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| General Notes: | This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-Tyrosinase Antibody [T311] (A250239). |

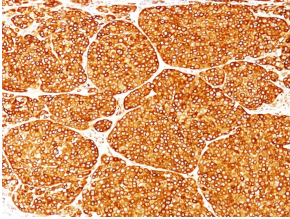
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Specifications continued:

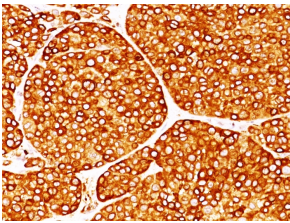
Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

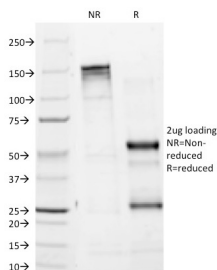
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human melanoma using Anti-Tyrosinase Antibody [T311].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human melanoma using Anti-Tyrosinase Antibody [T311].



SDS-PAGE analysis of Anti-Tyrosinase Antibody [T311] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.