

### 36-1776: Monoclonal Antibody to Tyrosinase (Melanoma Marker)(Clone : T311)

|                                |                                |
|--------------------------------|--------------------------------|
| <b>Clonality :</b>             | Monoclonal                     |
| <b>Clone Name :</b>            | T311                           |
| <b>Application :</b>           | FACS,IF,IHC                    |
| <b>Reactivity :</b>            | Human                          |
| <b>Gene :</b>                  | TYR                            |
| <b>Gene ID :</b>               | 7299                           |
| <b>Uniprot ID :</b>            | P14679                         |
| <b>Format :</b>                | Purified                       |
| <b>Alternative Name :</b>      | TYR                            |
| <b>Isotype :</b>               | Mouse IgG2a, kappa             |
| <b>Immunogen Information :</b> | Recombinant tyrosinase protein |

#### Description

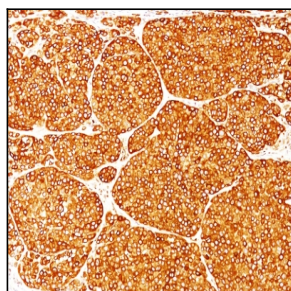
Recognizes a cluster of proteins between 70-80kDa, identified as tyrosinase. Occasionally a minor band at 55kDa is also detected. This MAb shows no cross-reaction with MAGE-1 and tyrosinase-related protein 1, TRP-1/gp75. Tyrosinase is a copper-containing metalloglycoprotein that catalyzes several steps 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.

#### Product Info

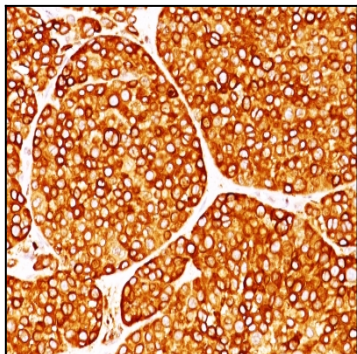
|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Affinity Chromatography   |
| <b>Content :</b>           | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                               |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

#### Application Note

Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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 &degC followed by cooling at RT for 20 minutes),



Formalin-fixed, paraffin-embedded human Melanoma stained with Tyrosinase Monoclonal Antibody (T311).



Formalin-fixed, paraffin-embedded human Melanoma stained with Tyrosinase Monoclonal Antibody (T311).