

36-1783: Monoclonal Antibody to Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker)(Clone : SPM611)

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| Clonality : | Monoclonal |
| Clone Name : | SPM611 |
| Application : | FACS,IF,IHC |
| Reactivity : | Human, Mouse |
| Gene : | TYRP1 |
| Gene ID : | 7306 |
| Uniprot ID : | P17643 |
| Format : | Purified |
| Alternative Name : | TYRP1,CAS2,TYRP,TYRRP |
| Isotype : | Mouse IgG2a, kappa |
| Immunogen Information : | Recombinant full-length human TYRP1 protein |

Description

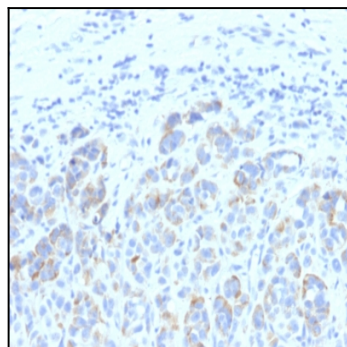
It reacts with a 75kDa melanocyte-specific gene product, identified as Tyrosinase-related protein-1 (TRP-1). It is involved in melanin synthesis. TRP1 is present on the melanosomal membranes of melanoma, normal melanocytes and nevi. Recent evidence suggests that TRP-1 is involved in maintaining stability of tyrosinase protein and modulating its catalytic activity. TRP-1 is also involved in maintenance of melanosome ultrastructure and affects melanocyte proliferation and cell death.

Product Info

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| Amount : | 100 µg |
| Purification : | Affinity Chromatography |
| Content : | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | 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 (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (2-4ug/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°C followed by cooling at RT for 20 minutes)



Formalin-fixed, paraffin-embedded human Melanoma stained with TYRP1 Monoclonal Antibody (SPM611)