

## TRP-1 Antibody / Tyrosinase-Related Protein-1 [clone SPM456] (V5508)

Catalog No.	Formulation	Size
V5508-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5508-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5508SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	SPM456
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P17643
<b>Localization</b>	Cytoplasm
<b>Applications</b>	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-3ug/ml
<b>Limitations</b>	This TRP-1 antibody is available for research use only.

### 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.

### Application Notes

Optimal dilution of the TRP-1 antibody should be determined by the researcher.

### Immunogen

SK-MEL-23 cells were used as the immunogen for the TRP-1 antibody.

## Storage

Aliquot the TRP-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.