ARG56122
anti-TRP1 antibody [TA99]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [TA99] recognizes TRP1
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-Fr
Host	Mouse
Clonality	Monoclonal
Clone	TA99
Isotype	IgG2a, kappa
Target Name	TRP1
Species	Human
Immunogen	SK-MEL-23 cells.
Conjugation	Un-conjugated
Alternate Names	CATB; TYRP; b-PROTEIN; EC 1.14.18.-; CAS2; DHICA oxidase; Melanoma antigen gp75; 5,6-dihydroxyindole-2-carboxylic acid oxidase; Catalase B; OCA3; TRP; GP75; TRP1; Glycoprotein 75; TRP-1; Tyrosinase-related protein 1

Application Instructions

Application table

Application	Dilution
FACS	0.5 - 1 µg/10^6 cells in 0.1ml
ICC/IF	1 - 2 µg/ml
IHC-Fr	0.5 - 1 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 22178 Mouse GeneID: 7306 Human Swiss-port # P07147 Mouse Swiss-port # P17643 Human
Gene Symbol	TYRP1
Gene Full Name	tyrosinase-related protein 1
Background	This gene encodes a melanosomal enzyme that belongs to the tyrosinase family and plays an important role in the melanin biosynthetic pathway. Defects in this gene are the cause of rufous oculocutaneous albinism and oculocutaneous albinism type III. [provided by RefSeq, Mar 2009]
Function	Oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. May regulate or influence the type of melanin synthesized. [UniProt]
Calculated Mw	61 kDa
PTM	Glycosylated.
Cellular Localization	Cytoplasmic