Anti-TRP-1, gp75 [TA99] Standard Size Ab00180-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Kappa
Clone Number: TA99
Alternative Name(s) of Target: Melanoma antigen gp75; 5,6-dihydroxyindole-2-carboxylic acid oxidase; DHICA oxidase; Catalase B; Glycoprotein 75; Tyrosinase-related protein 1; TRP; TRP-1; TRP1
UniProt Accession Number of Target Protein: P17643
Published Application(s): IP, WB, ELISA, FC, IF, IHC-Fr
Published Species Reactivity: Human
Immunogen: 70-75 kDa pigmentation-associated glycoprotein in human melanoma cell lines.
Specificity: Binds Tyrosinase-related protein-1 (TRP-1), a 70-75k enzyme located in melanocytes, which are specialized cells that produce a pigment called melanin, helping to stabilize tyrosinase, which is the enzyme responsible for the first step in melanin production and determine the shape of melanosomes, which are the structures in melanocytes where melanin is produced.
Application Notes: This antibody binds to human and murine TRP-1 and had been under evaluation for the treatment of tumours.
Antibody First Published in: Welt S, Mattes MJ, Grando R, Thomson TM, Leonard RW, Zanzonico PB, Bigler RE, Yeh S, Oettgen HF, Old LJ. Monoclonal antibody to an intracellular antigen images human melanoma transplants in nu/nu mice. Proc Natl Acad Sci U S A. 1987 Jun;84(12):4200-4. PMID:3473501
Note on publication: Describes the isolation of TA99 from mice immunized with the pigmented melanoma cell line SK-MEL-23 and the characterisation by radioimmunolocalisation showing the tumor imaging.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration:

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.