

## Anti-TRP-1, gp75 [TA99] Bulk Size bAb0165-BT

This antibody is a knob-into-hole bispecific based on murine IgG2a with an Fc Silent™ mutation, featuring one arm with an anti-mouse CD47 VHH clone A4.

This is a bispecific, knob-into-hole heterodimerized antibody, with one arm directed against TRP-1 (Fab) and one arm directed against mouse CD47 (VHH).

**Isotype and Format:** Mouse IgG2a mCD47 KIH bispecific, Fc Silent™, 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:** 500 µg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**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.