

## Mouse Tyrosinase Monoclonal Antibody | anti-TYR antibody

Tyrosinase (Melanoma Marker) Mouse Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY               | APPLICATIONS                                                               |
|-----------|-------|--------------------------|----------------------------------------------------------------------------|
| AAA62598  | Mouse | Human. Others not known. | Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay |

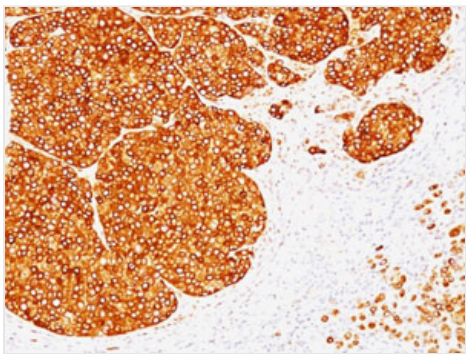
### PRODUCT SYNONYMS

Tyrosinase; Monoclonal Antibody; Tyrosinase (Melanoma Marker) Mouse Monoclonal Antibody; ATN; CMM8; LB24-AB; Monophenol monooxygenase; OCA1; OCA1A; Oculocutaneous albinism IA; SHEP3; SK29-AB; Tumor rejection antigen AB; TYR; anti-TYR antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                    | Human. Others not known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype                                       | IgG2a, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clone Number                                  | SPM360                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity                                   | Recognizes a cluster of proteins between 70-80kDa, identified as tyrosinase. Occasionally a minor band at 55kDa is also detected. This MAb shows no cross-reaction with MAGE-1 and tyrosinase-related protein 1, TRP-1/gp75. Tyrosinase is a copper-containing metalloglycoprotein that catalyzes several steps in the melanin pigment biosynthetic pathway; the hydroxylation of tyrosine to L-3,4-dihydroxy-phenylalanine (dopa), and the subsequent oxidation of dopa to dopaquinone. Mutations of the tyrosinase gene occur in various forms of albinism. Tyrosinase is one of the targets for cytotoxic T-cell recognition in melanoma patients. Staining of melanomas with this MAb shows tyrosinase in melanotic as well as amelanotic variants. This MAb is a useful marker for melanocytes and melanomas. |
| Form/Format                                   | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Length                               | 529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-TYR antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cellular Localization                         | Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                                     | Recombinant tyrosinase protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hu-Chromosome Location                        | 11q14.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Positive Control                              | SK-MEL-13, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells or Melanoma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                       | Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

IMAGES



IHC (Immunohistochemistry)  
Formalin-fixed, paraffin-embedded human Melanoma stained with Tyrosinase Monoclonal Antibody (SPM360).

ADDITIONAL INFORMATION

|            |                                                                  |
|------------|------------------------------------------------------------------|
| References | Chen Y-T, et. al. Proc. Natl. Acad. Sci. USA, 1995, 92:8125-8129 |
|------------|------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 4507753                                                |
| NCBI GeneID                      | 7299                                                   |
| NCBI Accession #                 | NP_000363.1                                            |
| NCBI GenBank Nucleotide #        | NM_000372.4                                            |
| UniProt Accession #              | P14679; Q15675; Q15676; Q15680; Q8TAK4; Q9BYY0; Q9BZX1 |
| Molecular Weight                 | 70-80kDa                                               |
| NCBI Official Full Name          | tyrosinase                                             |
| NCBI Official Synonym Full Names | tyrosinase                                             |
| NCBI Official Symbol             | TYR                                                    |
| NCBI Official Synonym Symbols    | ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3                   |
| NCBI Protein Information         | tyrosinase                                             |
| UniProt Protein Name             | Tyrosinase                                             |
| UniProt Gene Name                | TYR                                                    |
| UniProt Entry Name               | TYRO_HUMAN                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/tyrosinase-antibody-clone-spm360-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62598>