

Tyrosinase Monoclonal Antibody (T311)

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotope	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	T311
Conjugate	Unconjugated
Immunogen	Recombinant tyrosinase protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10980000

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:250	3 Publications
Immunofluorescence (IF)	1:250	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	-
Western Blot (WB)	1:25-1:100	3 Publications
ELISA (ELISA)	-	1 Publication
Flow Cytometry (Flow)	-	1 Publication
Immunohistochemistry (IHC)	-	12 Publications
Miscellaneous PubMed (Misc)	-	2 Publications

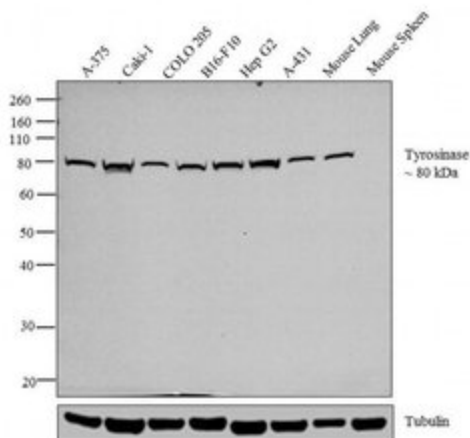
Product Specific Information

MA5-14177 targets Tyrosinase in ICC, IF, IHC (P), and WB applications and shows reactivity with Human samples.

The MA5-14177 immunogen is recombinant tyrosinase protein.

Tyrosinase Antibody (MA5-14177)

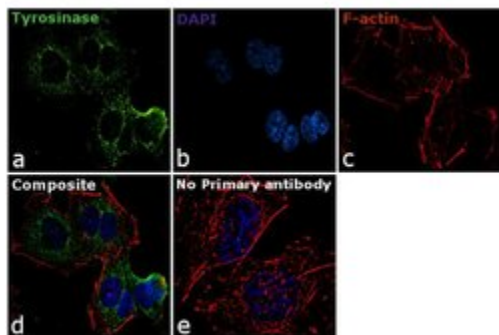
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. A higher level of expression of Tyrosinase was observed in Mouse Lung when compared to Mouse Spleen which is reported as negative tissue model for Tyrosinase expression using Tyrosinase Monoclonal Antibody (T311) (Product # MA5-14177) in Western Blot. Relative expression validation info.



Product Images For Tyrosinase Monoclonal Antibody (T311)

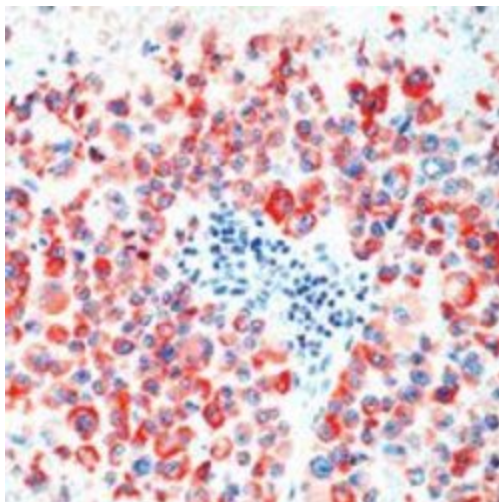
Tyrosinase Antibody (MA5-14177) in IF

Immunofluorescence analysis of Tyrosinase was performed using 70% confluent log phase A-375 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Tyrosinase Monoclonal Antibody (T311) (Product # MA5-14177) at 1:250 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing staining in the cytoplasm. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



Tyrosinase Antibody (MA5-14177) in IHC

Formalin-fixed, paraffin-embedded human melanoma stained with Tyrosinase antibody using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of tumor cells.



22 References

Miscellaneous PubMed (2)

Oncogene

NFATc2 is an intrinsic regulator of melanoma dedifferentiation.

"MA5-14177 was used in flow cytometry to identify NFATc2 as a regulator of human melanoma dedifferentiation"

Authors: Perotti V,Baldassari P,Molla A,Vegetti C,Bersani I,Maurichi A,Santinami M,Anichini A,Mortarini R

Species
Human

Dilution
Not Cited

Year
2016

Clinical cancer research : an official journal of the American Association for Cancer Research

T-cell immune function in tumor, skin, and peripheral blood of advanced stage melanoma patients: implications for immunotherapy.

"MA5-14177 was used in immunohistochemistry (paraffin) to investigate T--cell effector function in relation to tumor-escape mechanisms."

Authors: Tjin EP,Konijnenberg D,Krebbers G,Mallo H,Drijfhout JW,Franken KL,van der Horst CM,Bos JD,Nieweg OE,Kroon BB,Haanen JB,Melief CJ,Vyth-Dreese FA,Luiten RM

Species
Human

Dilution
Not Cited

Year
2011

ELISA (1)

International journal of molecular sciences

IL-8 and cathepsin B as melanoma serum biomarkers.

"MA5-14177 was used in ELISA to study IL8 and Cathepsin B in the prognosis of melanoma mortality"

Authors: Zhang H,Fu T,McGettigan S,Kumar S,Liu S,Speicher D,Schuchter L,Xu X

Species
Human

Dilution
Not Cited

Year
2015

Immunohistochemistry (12)

Journal of pediatric surgery

Malignant perivascular epithelioid cell tumor in children: description of a case and review of the literature.

"MA5-14177 was used in immunohistochemistry to report on a case of malignant perivascular epithelioid cell tumor in a child"

Authors: Alaggio R,Cecchetto G,Martignoni G,Bisogno G,Cheng L,Sperli D,d'Amore ES,Dall'Igna P

Species
Human

Dilution
1:100

Year
2012

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More applications with references on thermofisher.com

WB (3) ICC (3) Flow (1)

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