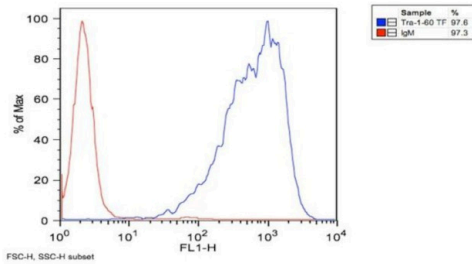


TRA-1-60 Monoclonal Antibody (TRA-1-60)

Product Details	
Size	20 µL
Species Reactivity	Human
Published Species	Bovine, Human, Mouse
Host/Isotype	Mouse / IgM
Class	Monoclonal
Type	Antibody
Clone	TRA-1-60
Conjugate	Unconjugated
Immunogen	Human embryonal carcinoma cell line 2102Ep.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography - MBP
Storage buffer	PBS, pH 7.4, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2536705

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	1:20-1:100	10 Publications
Flow Cytometry (Flow)	0.4 µg	-
Miscellaneous PubMed (Misc)	-	2 Publications

Product Images For TRA-1-60 Monoclonal Antibody (TRA-1-60)



TRA-1-60 Antibody (MA1-023X) in Flow

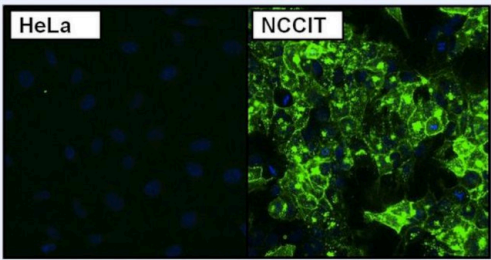
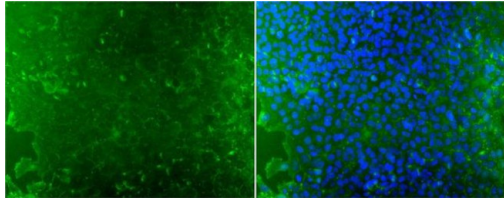
Flow cytometry analysis of TRA-1-60 using anti-TRA-1-60 monoclonal antibody (Product # MA1-023) shows positive staining of H9 human embryonic stem cells (blue line). H9 human embryonic stem cells were harvested, fixed and washed with PBS. Cells were incubated with anti-TRA-1-60 monoclonal antibody (Product # MA1-023) or control at a 1:100 dilution for 1 hour on ice, followed by 30 min incubation with FITC-conjugated secondary antibody. 100,000 cells were stained for each sample.

TRA-1-60 Antibody (MA1-023X) in ICC/IF

Immunofluorescent analysis of TRA-1-60 using anti-TRA-1-60 monoclonal antibody (Product # MA1-023) shows staining on the cell surface of human H9 human embryonic stem cells, indicating pluripotency. TRA-1-60 staining (green) and an overlay image of TRA-1-60 with DAPI (blue) is shown. H9 human embryonic stem cells were grown on matrigel coated chamber slides and fixed with formaldehyde prior to staining. Cells were probed with a Monoclonal antibody recognizing TRA-1-60 (Product # MA1-023) at a dilution of 1:20 over night at 4 °C, washed with PBS and incubated with a FITC-conjugated secondary antibody at a dilution of 1:100 for 60 minutes at room temperature. Images were taken at 20X magnification.

TRA-1-60 Antibody (MA1-023X) in ICC/IF

Immunofluorescent analysis of TRA-1-60 using anti-TRA-1-60 monoclonal antibody (Product # MA1-023) shows expression in human teratocarcinoma NCCIT cells (shown in green) but not in negative control HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a mouse monoclonal antibody recognizing TRA-1-60 (Product # MA1-023), at a dilution of 1:50 for at least 1 hour at room temperature. Cells were washed with PBS and incubated with a fluorescent goat-anti-mouse IgM secondary antibody at a dilution of 1:400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 20X magnification.



[View more figures on thermofisher.com](#)

13 References

Immunohistochemistry (1)

Nature communications

Human pluripotent reprogramming with CRISPR activators.

"Published figure using TRA-1-60 monoclonal antibody (Product # MA1-023) in Immunofluorescence"

Authors: Weltner J,Balboa D,Katayama S,Bespalov M,Krjutškov K,Jouhilahti EM,Trokovic R,Kere J,Otonkoski T

Year
2018

Species
Human

Dilution
1:50

Immunocytochemistry (10)

Stem cell reports

Simultaneous high-efficiency base editing and reprogramming of patient fibroblasts.

"Published figure using TRA-1-60 monoclonal antibody (Product # MA1-023) in Immunocytochemistry"

Authors: Jalil S,Keskinen T,Maldonado R,Sokka J,Trokovic R,Otonkoski T,Wartiovaara K

Year
2021

Species
Human

Dilution
1:500

Stem cell research

Generation of a human control iPS cell line (ESi080-A) from a donor with no rheumatic diseases.

"MA1-023 was used in Immunocytochemistry-immunofluorescence to report the establishment of the human iPS cell line N1-FiPS4F#7 generated from skin cells of a patient with no rheumatic diseases, thus obtaining an appropriate control iPS cell line for researchers working in the field of rheumatic diseases."

Authors: Castro-Viñuelas R,Sanjurjo-Rodríguez C,Piñeiro-Ramil M,Rodríguez-Fernández S,Fuentes-Boquete IM, Blanco FJ,Díaz-Prado SM

Year
2020

Species
Human

[View more ICC/IF references on thermofisher.com](#)

Miscellaneous PubMed (2)

Animal biotechnology

Amnion Epithelial Cells of Buffalo (Bubalus Bubalis) Term Placenta Expressed Embryonic Stem Cells Markers and Differentiated into Cells of Neurogenic Lineage In Vitro.

"MA1-023X was used in immunocytochemistry to isolate and characterize buffalo amniotic membrane-derived epithelial cells"

Authors: Ghosh K,Selokar NL,Gahlawat SK,Kumar D,Kumar P,Yadav PS

Year
2016

Species
Bovine

Dilution
1:200

More applications with references on thermofisher.com

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