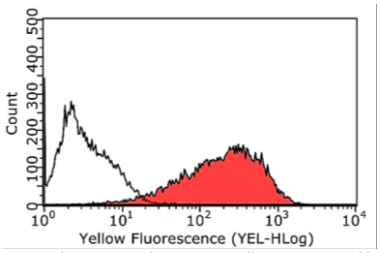
TECHNICAL DATA SHEET

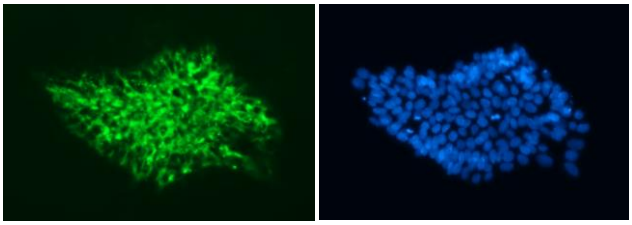
TRA-1-60 anti-Human Antibody

Catalog Number: ST11016

Size	100 µL
Concentration	0.5 mg/mL
Species Reactivity	Human
Host	Mouse Monoclonal
Clone	TRA-1-60
Isotype	IgM
Immunogen	Human embryonal carcinoma cell line 2102Ep
Formulation	Aqueous buffer, 0.09% sodium azide.
Storage and Stability	Store at 2-8°C. Stable for 6 months from date of receipt when stored as directed.
Applications Tested	Flow Cytometry (FC), Immunocytochemistry/Immunofluorescence (ICC/IF)
Recommended Dilutions	Flow Cytometry 1:100 Immunocytochemistry/Immunofluorescence 1:100 It is recommended that the antibody be titrated for optimal performance for each application.



FC analysis on H1 human ES cells at a 1:100 dilution. Red histogram represents TRA-1-60 Antibody and open histogram represents isotype control. A PE-conjugated anti-Mouse IgM was used as the secondary antibody.



ICC analysis on H1 human ES cells. Cells were stained with TRA-1-60 Antibody at a 1:100 dilution followed by an Alexa 488-conjugated secondary antibody (green). Nuclei were counterstained with DAPI (blue).

Description	The TRA-1-60 antibody recognizes a protein expressed on the surface of human embryonal carcinoma (EC), embryonic germ (EG), embryonic stem (ES), and induced pluripotent stem (iPS) cells. The epitope recognized by the TRA-1-60 antibody is lost upon cell differentiation making it a widely used marker to characterize human ES/iPS cells and to monitor their differentiation.
Alternative Names	Podocalyxin, MGC138240, PODXL, PCLP, PC, gp200
References	Chin, A.C., et al. (2007) Identification of proteins from feeder conditioned medium that support human embryonic stem cells. J Biotechnol 130: 320-328. PMID: 17544536 Schopperle, W.M., et al. (2007) The TRA-1-60 and TRA-1-81 human pluripotent stem cell markers are expressed on podocalyxin in embryonal carcinoma. Stem Cells 25: 723-730. PMID: 17124010 Takahashi, K., et al. (2007) Induction of pluripotent stem cells from adult human fibroblasts by defined factors. Cell 131: 861-872. PMID: 18035408

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