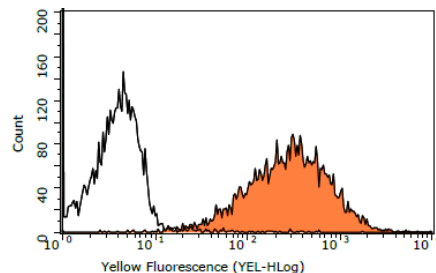


TRA-1-60 (PE) anti-Human Antibody

Catalog Number: ST11018

Size	100 µL
Concentration	0.2 mg/mL
Species Reactivity	Human
Host	Mouse Monoclonal
Clone	TRA-1-60
Isotype	IgM
Immunogen	Human embryonal carcinoma cell line 2102Ep
Formulation	0.2 µm filter sterilized phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg) as determined by the LAL test. Formulation is free from bacteria, fungi, and mycoplasma.
Storage and Stability	Store at 2-8°C protected from light. Stable for 6 months from date of receipt when stored as directed. Contains no preservative and therefore should be handled under aseptic conditions.
Applications Tested	Flow Cytometry
Recommended Dilutions	Flow Cytometry 1:50 - 1:100 Immunofluorescence 1:50 - 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 1:50 dilution. Red histogram represents TRA-1-60 (PE) Antibody and open histogram represents isotype control.

Description	ESI BIO's TRA-1-60 (PE) Antibody is sterile, sodium azide-free, non-toxic, and free of culture pathogens making it ideal for sorting live pluripotent stem cell populations. Following collection, cells stained with TRA-1-60 (PE) are able to continue in culture with no adverse effect on proliferation and differentiation potential when compared to untreated cells.
Background	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. <i>J Biotechnol</i> 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. <i>Stem Cells</i> 25: 723-730. PMID: 17124010 Takahashi, K., et al. (2007) Induction of pluripotent stem cells from adult human fibroblasts by defined factors. <i>Cell</i> 131: 861-872. PMID: 18035408

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