NEUROMICS

TRA-1-60 Data Sheet

Catalog Number:	MO25035	**Host:**	Mouse
Product Type:	Mouse IgM Monoclonal Antibody	**Species Reactivity:**	Human
Immunogen Sequence:	Human embryonal carcinoma cell line 2102Ep.	**Format:**	Liquid. Tris-glycine, 150mM NaCl with 0.05% Sodium Azide as a preservative. Concentration : 1 mg/ml.
Applications:	Flow Cytometry: 1:50-1:200 Immunocytochemistry: 1:50-1:200, Immunofluorescence: 1:50-1:200 Western Blot*		

*Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Storage: Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.

Application Notes

This antibody reacts with the neuraminidase resistant form of the TRA-1-60 antigen that is expressed upon the surface of human teratocarcinoma stem cells (EC), human embryonic germ cells (EG) and human embryonic stem cells (ES). No immunoreactivity is seen with murine EC, EG or ES cells.

Immunocytochemistry Protocol
Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.

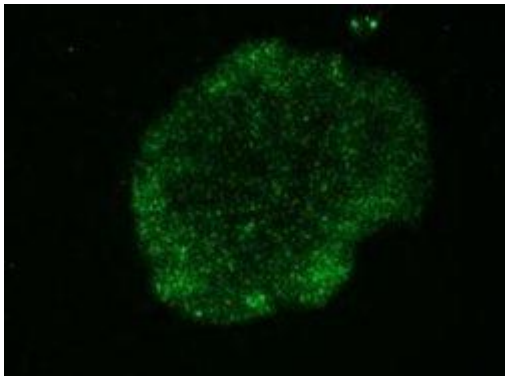
1. Remove culture medium and add 10% formalin to the dish. Fix at room temperature for 30 minutes.
2. Remove the formalin and add ice cold methanol. Incubate for 5-10 minutes.
3. Remove methanol and add washing solution (i.e. PBS). Be sure to not let the specimen dry out. Wash three times for 10 minutes.
4. To block nonspecific antibody binding incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
5. Add primary antibody at appropriate dilution and incubate at room temperature from 2 hours to overnight at room temperature.
6. Remove primary antibody and replace with washing solution. Wash three times for 10 minutes.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
8. Remove antibody and replace with wash solution, then wash for 10 minutes. Add Hoechst 33258 to wash solution at 1:25,0000 and incubate for 10 minutes. Wash a third time for 10 minutes.
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide covered in Parafilm (TM). Cells can also be cover-slipped using Fluoromount, with appropriate sealing.

FOR RESEARCH USE ONLY

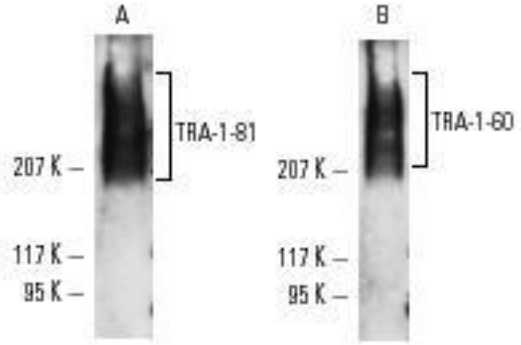
www.neuromics.com

Neuromics Antibodies • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics.com

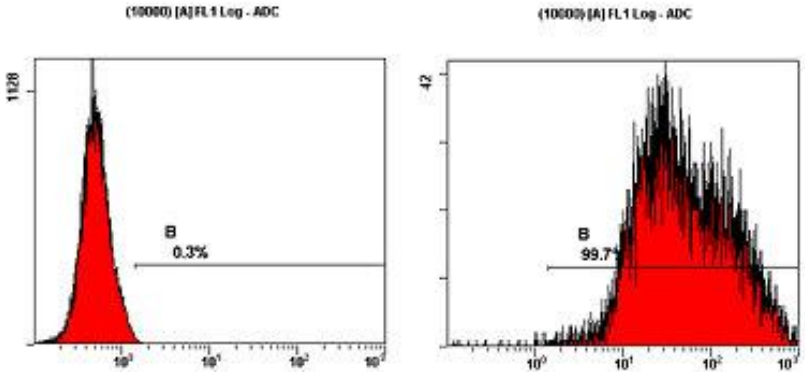
Image: Human embryonic stem cells stained with TRA-1-60 antibody detected with Fluor 488 anti-mouse IgM secondary antibody.



Images: Western blot analysis of TRA-1-60 expression in NTERA-2 cl.D1 whole cell lysate.



Images: FACS staining of NTERA-2 cells using TRA-1-60 at a 1:50 dilution detected using Dylight-488 conjugated goat anti-mouse IgM secondary antibody.



FOR RESEARCH USE ONLY

Neuromics Antibodies • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics.com