

Anti-Human TRA-1-60-148Nd

Catalog #: 3148012B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Cross Reactivity: Human

Clone: TRA-1-60

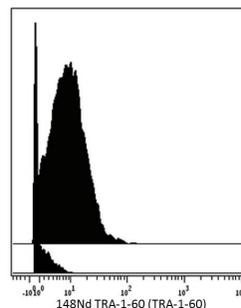
Isotype: Mouse Other

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human H9 embryonic stem cells (top) and human BJ fibroblasts (bottom) stained with 148Nd-anti-TRA-1-60 (TRA-1-60).

Description

TRA-1-60 is expressed on undifferentiated human embryonic stem cells (ES), induced pluripotent stem cells (iPS), embryonal carcinoma cells (EC), and embryonic germ cells (EG). The epitope, which is lost upon cell differentiation, is a neuraminidase-resistant carbohydrate expressed on podocalyxin, a member of CD34-related family of sialomucins. Podocalyxin is a transmembrane keratan sulfated glycoprotein, which has been implicated in the development of aggressiveness in a variety of cancers including breast and prostate cancer.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

Contact Information:

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