

DESCRIPTION

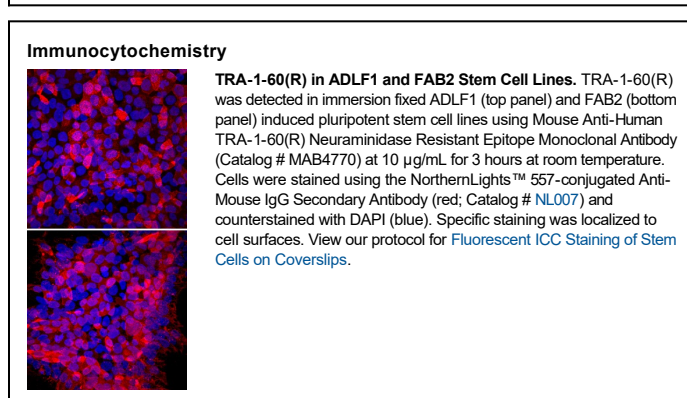
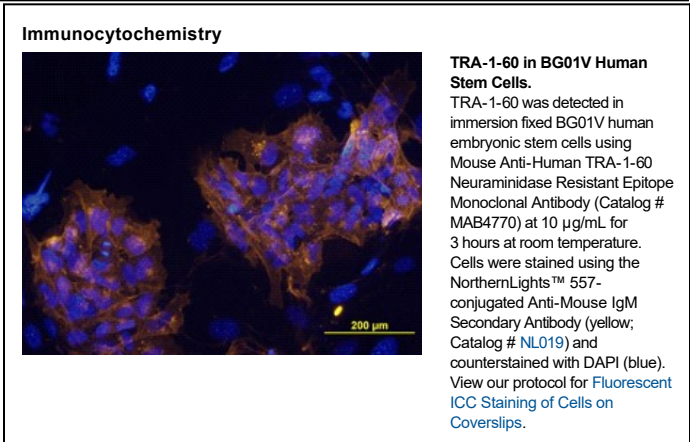
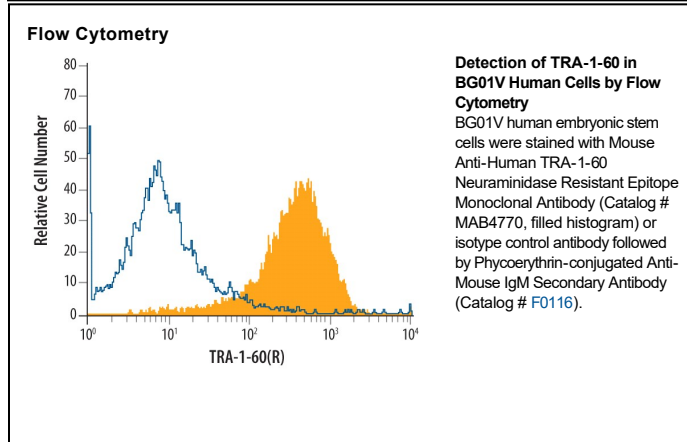
Species Reactivity	Human
Specificity	Detects human TRA-1-60(R).
Source	Monoclonal Mouse IgM Clone # TRA-1-60
Purification	IgM-specific Affinity-purified from hybridoma culture supernatant
Immunogen	2102Ep human embryonal carcinoma cell line
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
Immunocytochemistry	8-25 µg/mL	See Below
CyTOF-reported	This clone has been commercially reported for use in CyTOF®. Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

TRA-1-60 is a monoclonal antibody raised against a cell surface antigen of human embryonal carcinoma (EC) cells (1). The TRA-1-60 epitope is also found on human embryonic stem (ES) cells and primordial germ cells, and TRA-1-60 serves as a serum marker in patients with germ cell tumors (2-4). Investigation into the identity of the TRA-1-60 epitope demonstrated that it is a carbohydrate carried by a cell surface, sialylated, keratan sulfate proteoglycan (5). Subsequent evidence implicated podocalyxin as a carrier for the TRA-1-60 epitope (6).

References:

1. Andrews, P. *et al.* (1984) *Hybridoma* **3**:347.
2. Thomson, J. *et al.* (1998) *Science* **282**:1145.
3. Giwercman, A. *et al.* (1993) *Cancer* **72**:1308.
4. Marrink, J. *et al.* (1991) *Int. J. Cancer* **49**:368.
5. Badcock, G. *et al.* (1999) *Cancer Res.* **59**:4715.
6. Schopperle, W. and W. DeWolf (2007) *Stem Cells* **25**:723.