Human TRA-1-60(R) Neuraminidase Resistant Epitope Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgM Clone # TRA-1-60
Catalog Number: FAB4770N
100 µg

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
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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	0.25-1 µg/10^6 cells	BG01V human embryonic stem cells

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

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.

PRODUCT SPECIFIC NOTICES

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