

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human TRA-1-85 antigen in flow cytometry.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # TRA-1-85
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	2120Ep human embryonal carcinoma cell line
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	Supplied 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.

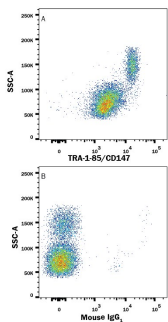
## APPLICATIONS

**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
<b>Flow Cytometry</b>	10 µL/10 <sup>6</sup> cells	See Below

## DATA

### Flow Cytometry



**Detection of TRA-1-85/CD147 in Human PBMCs by Flow Cytometry.** Human peripheral blood lymphocytes and monocytes were stained with either (A) Mouse Anti-Human TRA-1-85/CD147 APC-conjugated Monoclonal Antibody (Catalog # FAB3195A) or (B) Mouse IgG<sub>1</sub> Allophycocyanin Isotype Control (Catalog # IC002A). View our protocol for [Staining Membrane-associated Proteins](#).

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

The TRA-1-85 antigen, also known as OKa blood group antigen, is a specific epitope within the protein known as Basigin, EMMPRIN and CD147. It is a cell surface determinant expressed on almost all human cell types. This antibody has been used in somatic cell hybrid studies to identify tissues of partial human origin (1, 2).

### References:

- Williams, B.P. *et al.* (1988) *Immunogenetics*. **27**:322.
- Spring, F.A. *et al.* (1997) *Eur. J. Immunol.* **27**:891.