

DESCRIPTION

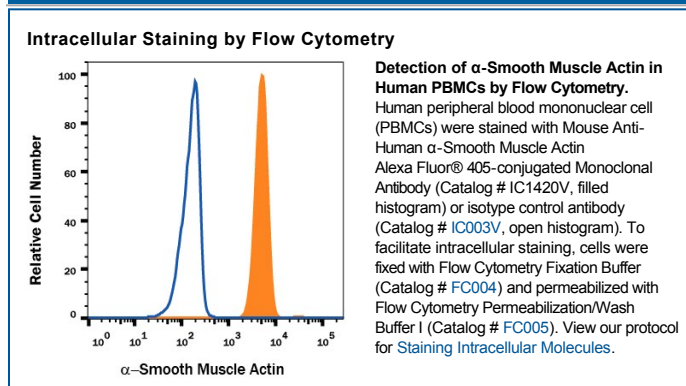
| | |
|---------------------------|--|
| Species Reactivity | Human |
| Specificity | Detects human α -Smooth Muscle Actin in flow cytometry. |
| Source | Monoclonal Mouse IgG _{2A} Clone # 1A4 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | α -Smooth Muscle Actin N-terminal Synthetic Decapeptide |
| Conjugate | Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm |
| Formulation | 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 |
|---|----------------------------------|---------------|
| Intracellular Staining by Flow Cytometry | 5 μ L/10 ⁶ cells | See Below |

DATA



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

α -Smooth Muscle Actin has been frequently used as a marker of smooth muscle differentiation (1, 2).

References:

1. Skalli, O. *et al.* (1986) *J. Cell Biol.* **103**:2787.
2. Oishi, K. *et al.* (2002) *J. Physiol.* **540**:139.

PRODUCT SPECIFIC NOTICES

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