

DESCRIPTION

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| Species Reactivity | Human/Mouse |
| Specificity | Detects human and mouse Pax3 and Pax7 in direct ELISAs and Western blots. In direct ELISAs, approximately 20% cross-reactivity with recombinant human (rh) Pax1 is observed, approximately 10% with rhPax6, and less than 2% with rhPax2, rhPax4, rhPax5, and rhPax9. |
| Source | Monoclonal Mouse IgG _{2A} Clone # 274212 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | <i>E. coli</i> -derived recombinant human Pax3 (isoform Pax3a) Met1-Ser215 Accession # NP_000429 |
| Conjugate | Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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 | 0.25-1 µg/10 ⁶ cells | B16-F1 mouse melanoma cell line fixed with paraformaldehyde and permeabilized with saponin |

PREPARATION AND STORAGE

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| 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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

Pax3 belongs to the family of paired box transcription factors. Pax family proteins typically contain a paired box domain and a paired-type homeodomain. These transcription factors play critical roles during fetal development. Human and mouse Pax3 share 98% amino acid sequence identity.

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