

DESCRIPTION

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 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. *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

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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