Human/Mouse Pax5/BSAP Alexa Fluor® 594-conjugated Antibody

Monoclonal Rabbit IgG Clone # 1207C
Catalog Number: IC3487T
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human Pax5 in direct ELISAs and Western blots.
Source	Monoclonal Rabbit IgG Clone # 1207C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E. coli*-derived recombinant human Pax5 Thr141-His391 Accession # Q02548
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	Human peripheral blood mononuclear cells (PBMCs) fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012)

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

Pax5, also known as BSAP (B-cell-specific transcription factor) is a 42 kDa protein belonging to the paired box transcription factor family. It is a developmental regulator that is important for B-cell lineage commitment and development. Human Pax5 is a 391 amino acid (aa) protein containing the paired DNA-binding domain at the N-terminal region. Several alternatively spliced isoforms with altered C-terminal regions and possessing different transactivation properties have been described. All isoforms share the N-terminal 235 aa with full-length Pax5. Human Pax5 shares 99%, 97% and 94% aa sequence identity with mouse, bovine and canine Pax5, respectively.

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