Human Pax5/BSAP
Alexa Fluor® 647-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1207C
Catalog Number: IC3487R
25 Tests

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Pax5/BSAP in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1207C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E. coli*-derived recombinant human Pax5/BSAP Thr141-His391 Accession # Q02548
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

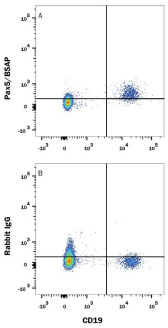
APPLICATIONS

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 µL/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of Pax5/BSAP in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) were stained with Mouse Anti-Human CD19 PE-conjugated Monoclonal Antibody (Catalog # FAB4867P) and either (A) Rabbit Anti-Human Pax5/BSAP Alexa Fluor® 647-conjugated Monoclonal Antibody (Catalog # IC3487R) or (B) Normal Rabbit IgG Alexa Fluor® 647 Control (Catalog # IC1051R). To facilitate intracellular staining, cells were fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012). View our protocol for Staining Intracellular Molecules.

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 44-48 kDa monomeric protein that belongs to the paired box transcription factor family of molecules. Human Pax5 is 391 amino acids (aa) in length and contains the paired DNA-binding domain over aa 16-142. More than 10 alternatively spliced isoforms with MW ranging from 25-40 kDa have been reported that likely possess different transactivation properties. Splicing may involve all but the first N-terminal 70 aa. Pax5 is principally found in pro-B cells and mature B cells where it promotes a B cell phenotype at the expense of plasma cell formation. In conjunction with Bcl-6, Pax5 represses XBP-1 and Blimp-1 expression. Over aa 141-391, human Pax5 shares 99% aa sequences identity with mouse Pax5.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449