

#### DESCRIPTION

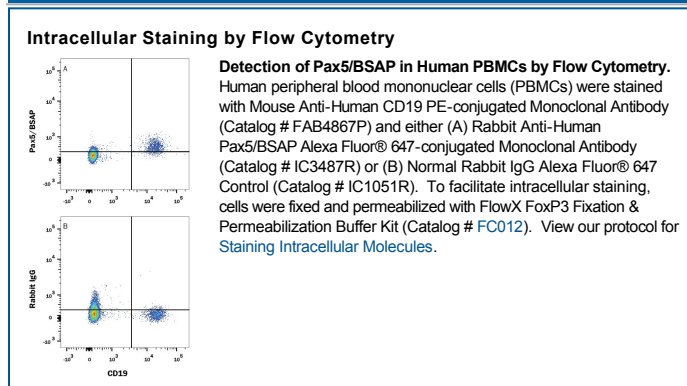
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Pax5/BSAP in direct ELISAs.
<b>Source</b>	Recombinant Monoclonal Rabbit IgG Clone # 1207C
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Pax5/BSAP Thr141-His391 Accession # Q02548
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	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 <sup>6</sup> cells	See Below

#### DATA



#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### 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

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