

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human FoxJ1 in direct ELISAs.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 407003
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human FoxJ1 Lys306-Leu421 Accession # Q92949.3
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HEK293 human embryonic kidney cell line fixed with paraformaldehyde and permeabilized with saponin

**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> ● 12 months from date of receipt, 2 to 8 °C as supplied.

**BACKGROUND**

Human FoxJ1 (also HNF-4) is a 45 kDa, class 1 member of the HNF-3/fork-head gene family of transcription factors. It is 421 amino acids (aa) in length and contains one fork-head DNA binding domain (aa 120-210). The presence of basic residues in the fork-head domain makes FoxJ1 a class 1 Fox protein. FoxJ1 induces cilia in lung and oviduct and maintains T cell tolerance to self-antigens. It is known to modulate NFκB activity. Over the range of amino acids used for immunization, human FoxJ1 is 89% aa identical to dog FoxJ1 and 87% aa identical to both mouse and rat FoxJ1.

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