

DESCRIPTION

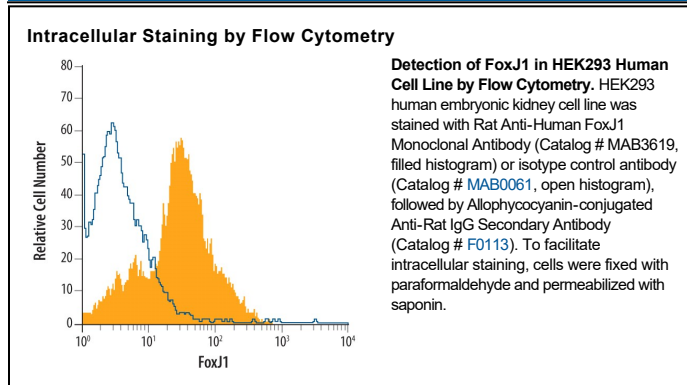
Species Reactivity	Human
Specificity	Detects human FoxJ1 in direct ELISAs.
Source	Monoclonal Rat IgG _{2B} Clone # 407003
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FoxJ1 Lys306-Leu421 Accession # Q92949.3
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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
Immunocytochemistry	8-25 µg/mL	Immersion fixed HEK293 human embryonic kidney cell line
Intracellular Staining by Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.