

## DESCRIPTION

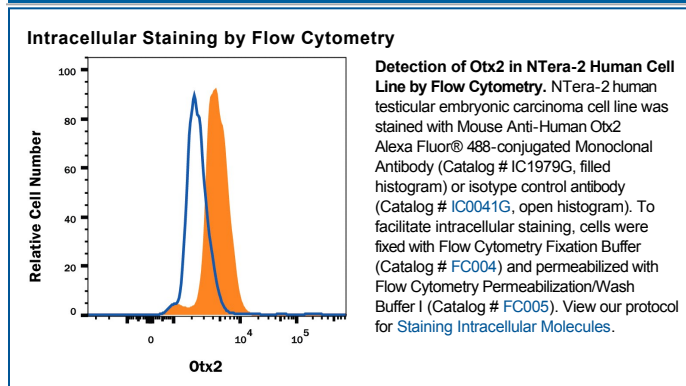
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Otx2 in flow cytometry.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 246826
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Otx2 (isoform b) Met1-Leu289 Accession # P32243
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

Otx2 (orthodenticle 2) is a 289 amino acid protein that is a member of the bicoid subfamily of homeodomain-containing transcription factors. It may play a role in brain and sensory organ development (1). Isoform a differs from isoform b by having an eight amino acid residue insertion between P32 and A33 of Otx2b.

### References:

1. Nagao, T. *et al.* (1998) Proc. Natl. Acad. Sci. USA **95**(7):3737.

## PRODUCT SPECIFIC NOTICES

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