

# Human EDNRB/Endothelin R Type B Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG<sub>2A</sub> Clone #671917

Catalog Number: FAB4496N

100 Tests

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human EDNRB/Endothelin R Type B in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 671917
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human EDNRB/Endothelin R Type B Accession # P24530
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *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>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HEK293 Human Cell Line Transfected with Human EDNRB and eGFP

## 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

EDNRB (Endothelin Receptor Type B) is a 50-55 kDa member of the beta-family of rhodopsin receptors. It binds endothelin 1, 2 and 3, and is found on endothelial cells where it mediates vasodilation. Mature human EDNRB is a 7-transmembrane glycoprotein that is 416 amino acids (aa) in length. It contains a 75 aa N-terminal extracellular region (aa 27-101), and a 44 aa C-terminal cytoplasmic domain. There are three EDNRB variants that affect aa 27-101. One shows a 90 aa N-terminal extension, a second shows the same 90 aa N-terminal substitution coupled with a deletion of aa 268-398, and a third shows proteolytic cleavage between Arg64-Ser65. Over aa 27-101, human EDNRB shares 67% and 97% aa identity with mouse and canine EDNRB, respectively.

## PRODUCT SPECIFIC NOTICES

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