

Human EDNRA/Endothelin R Type A Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 485709

Catalog Number: FAB65381R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EDNRA/Endothelin R Type A in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 485709
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human EDNRA/Endothelin R Type A Accession # NP_001948
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	HEK293 Human Cell Line Transfected with Human EDNRA and eGFP

PREPARATION AND STORAGE

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

BACKGROUND

EDNRA (endothelin A receptor) is a 427 amino acid (aa) protein of the rhodopsin-like 7-transmembrane receptor family. It can be variably modified by N-linked glycoproteins, phosphorylation and palmitoylation. It binds endothelins ET-1 and ET-2 preferentially, while EDNRB binds all three forms equally. Developmentally, EDNRA is expressed by cranial neural crest cells and induces facial morphogenesis. It is expressed by adult blood vessel smooth muscle cells, and is primarily responsible for the vasoconstrictor effects of ET-1. Human EDNRA shares 86% aa identity with mouse and rat EDNRA within the combined extracellular portions of the molecule.

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