

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EDNRA in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 485711
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human EDNRA Accession # NP_001948
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

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. 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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