

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Endothelin-3.
Source	Monoclonal Mouse IgG ₁ Clone # 3B6
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human Endothelin-3 synthetic peptide Accession # P14138
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

Immunocytochemistry 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

Endothelin-1, -2, and -3 are encoded by three separate genes as prepropeptides that are cleaved to yield the secreted and inactive big endothelins. Big Endothelin-3 is further cleaved by Kell blood group antigen endopeptidases to generate the 21 amino acid (aa) bioactive mature peptide. It interacts primarily with the 7TM receptor EDNRB to induce a variety of effects including bronchoconstriction, arteriolar vasoconstriction, gall bladder contraction, insulin and norepinephrine release, and the maintenance and development of melanocytes and neural crest progenitors. Mature human Endothelin-3 shares 100% aa sequence identity with mouse and rat Endothelin-3.

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