

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Endothelin-1 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 2E1
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human Endothelin-1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

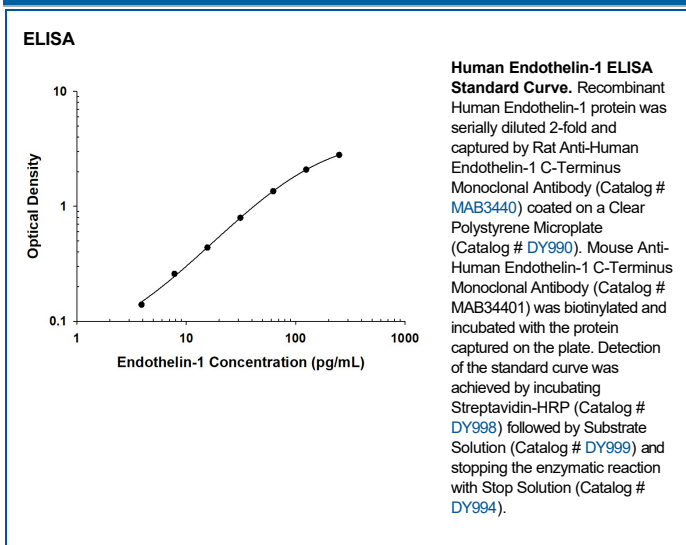
APPLICATIONS

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.

ELISA This antibody functions as an ELISA detection antibody when paired with Rat Anti-Human Endothelin-1 C-Terminus Monoclonal Antibody (Catalog # MAB3440).

This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Endothelin Pan Specific DuoSet ELISA Kit (Catalog # DY1160) for convenient development of a sandwich ELISA or the Endothelin-1 Quantikine ELISA Kit (Catalog # DET100) for a complete optimized ELISA.

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Endothelin-1, -2, and -3 are encoded by three separate genes as prepropeptides that are cleaved to yield inactive big endothelins. Big Endothelins are further cleaved to generate the 21 amino acid bioactive mature peptides. Endothelin-1 has potent vasoconstricting and angiogenic activity that is mediated through the 7TM receptors, ET-A and ET-B. Endothelin-1, -2, and -3 share identical amino acid sequences at their C-termini (residues 15-21).