

# Product Information

## Recombinant Human Anti-Human EDN1 Monoclonal Antibody

Cat. No.: **HOM-19227**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant humanized antibody expressed in CHO binding to human EDN1.

### Antigen Description

ET-1 is the most potent member of the ET family, which consists of the isopeptides ET-1, ET-2, and ET-3. The primary translation product of the ET-1 gene, prepro-ET-1 (212 amino acids), is cleaved by an intracellular endopeptidase releasing big ET-1 (38 amino acids). The biologically inactive big ET-1 is secreted primarily by endothelial cells and undergoes further processing by ET-converting enzymes (ECEs).

### Target

EDN1

### Species Reactivity

Human

### Type

Human IgG

### Expression Host

CHO

### Clone

Monoclonal

### Purity

>95.0% as determined by analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

ELISA, WB, IHC, FCM, IP, IF. Optimal dilutions/concentrations should be determined by the end user.

### Molecular Weight

145.41 kDa

### Stability

Samples are stable for up to twelve months from date of receipt at -20°C and are stable for six months at 4 °C.

### Storage

Store it under sterile conditions at -20 °C upon receiving. Recommend to pack the antibody into smaller quantities for optimal storage.

### Ship

2-8°C, BLUE ICE

## ANTIGEN GENE INFORMATION

### Gene Name

[EDN1 endothelin 1 \[ Homo sapiens \]](#)

### Official Symbol

EDN1

### Synonyms

EDN1; endothelin 1; endothelin-1; ET1; preproendothelin-1; PPET1; HDLCQ7;

### Gene ID

[1906](#)

### mRNA Refseq

[NM\\_001168319](#)

### Protein Refseq

[NP\\_001161791](#)

### UniProt ID

P05305

### Chromosome Location

6p24.1

### Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; EGFR-dependent Endothelin signaling events, organism-specific biosystem; Endothelins, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem;

### Function

cytokine activity; endothelin A receptor binding; endothelin B receptor binding; endothelin B receptor binding; hormone activity;