

Product Information

Recombinant Human Anti-Human ADRB1 Monoclonal Antibody

Cat. No.: **HOM-19226**

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 ADRB1.

Antigen Description

The beta-1 adrenergic receptor ($\beta 1$ adrenoreceptor), also known as ADRB1, is a beta-adrenergic receptor, and also denotes the human gene encoding it. It is a G-protein coupled receptor associated with the Gs heterotrimeric G-protein and is expressed predominantly in cardiac tissue.

Target

ADRB1

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

[ADRB1 adrenergic, beta-1-, receptor \[Homo sapiens \]](#)

Official Symbol

ADRB1

Synonyms

ADRB1; adrenergic, beta-1-, receptor; ADRB1R; beta-1 adrenergic receptor; beta-1 adrenoceptor; beta-1 adrenoreceptor; RHR; B1AR; BETA1AR;

Gene ID

[153](#)

mRNA Refseq

[NM_000684](#)

Protein Refseq

[NP_000675](#)

UniProt ID

P08588

Chromosome Location

10q24-q26

Pathway

Adrenoceptors, organism-specific biosystem; Amine ligand-binding receptors, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem;

Function

G-protein coupled receptor activity; PDZ domain binding; alpha-2A adrenergic receptor binding; beta-adrenergic receptor activity; beta1-adrenergic receptor activity; dopamine binding; drug binding; epinephrine binding; norepinephrine binding; protein binding; protein heterodimerization activity; receptor activity; signal transducer activity;