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Product Information

Recombinant Human Anti-Human Angiopoietin 1 Monoclonal Antibody

Cat. No.: **HOM-19216**
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 Angiopoietin 1.

Antigen Description

Angiopoietin 1 is a type of angiopoietin and is encoded by the gene ANGPT1. Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart.

Target

ANGPT1

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 INFOMATION

Gene Name

ANGPT1 angiopoietin 1 [Homo sapiens]

Official Symbol

ANGPT1

Synonyms

ANGPT1; angiopoietin 1; angiopoietin-1; Ang1; KIAA0003; ANG-1; AGP1; AGPT; ANG1;

Gene ID

284

mRNA Refseq

NM_001146

Protein Refseq

NP_001137

MIM

601667

UniProt ID

Q15389

Chromosome Location

8q23.1

Pathway

Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem; Tie2 Signaling, organism-specific biosystem;

Function

receptor tyrosine kinase binding;

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