

Product Information

Recombinant Human Anti-Human CDH11 Monoclonal Antibody

Cat. No.: **HOM-19240**

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 CDH11.

Antigen Description

Cadherin-11 is a protein that in humans is encoded by the CDH11 gene. This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance. The mammalian CDH-11 homologues are termed calsyntenin.

Target

CDH11

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

[CDH11 cadherin 11, type 2, OB-cadherin \(osteoblast\) \[Homo sapiens \]](#)

Official Symbol

CDH11

Synonyms

CDH11; cadherin 11, type 2, OB-cadherin (osteoblast); cadherin-11; CAD11; OB; OB Cadherin; CDHOB; OSF-4;

Gene ID

[1009](#)

mRNA Refseq

[NM_001797](#)

Protein Refseq

[NP_001788](#)

MIM

[600023](#)

UniProt ID

P55287

Chromosome Location

16q21

Pathway

Adherens junctions interactions, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;

Function

calcium ion binding;