

Product Information

Recombinant Human Anti-Human OSCAR Monoclonal Antibody

Cat. No.: **HOM-19416**

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 OSCAR.

Antigen Description

Osteoclast-associated immunoglobulin-like receptor is a protein that in humans is encoded by the OSCAR gene. Osteoclasts are multinucleated cells that resorb bone and are essential for bone homeostasis. This gene encodes an osteoclast-associated receptor (OSCAR), which is a member of the leukocyte receptor complex (LRC) protein family that plays critical roles in the regulation of both innate and adaptive immune responses. Different from the other LRC members, OSCAR expression is detected specifically in preosteoclasts or mature osteoclasts. OSCAR may be an important bone-specific regulator of osteoclast differentiation. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Target

OSCAR

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

[OSCAR osteoclast associated, immunoglobulin-like receptor \[Homo sapiens \]](#)

Official Symbol

OSCAR

Synonyms

OSCAR; osteoclast associated, immunoglobulin-like receptor; osteoclast-associated immunoglobulin-like receptor; PIgR-3; hOSCAR; poly-Ig receptor 3; osteoclast-associated receptor; polymeric immunoglobulin receptor 3; osteoclast associated receptor OSCAR-S1; osteoclast associated receptor OSCAR-S2; PIGR3; MGC33613;

Gene ID

[126014](#)

mRNA Refseq

[NM_130771](#)

Protein Refseq

[NP_570127](#)

MIM

[606862](#)

UniProt ID

Q8IYS5

Chromosome Location

19q13.42

Pathway

Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem;

Function

receptor activity;