BACKGROUND

The cadherins are a family of Ca<sup>2+</sup>-dependent adhesion molecules that influence cell-cell binding and are critical to the maintenance of tissue structure and morphogenesis. OB-cadherin (osteoblast-cadherin, cadherin-11, OSF-4) has two forms, OB-cadherin-1 and OB-cadherin-2. OB-cadherin-2 has a truncated cytoplasmic domain, missing amino acids 694-796. Both OB-cadherins are expressed in osteoblastic cell lines with low expression seen in lungs, testis and brain.

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: CDH11 (human) mapping to 16q21; Cdh11 (mouse) mapping to 8 D2.

SOURCE

OB-cadherin (F-3) is a mouse monoclonal antibody raised against amino acids 681-730 mapping within a C-terminal cytoplasmic domain of OB-cadherin of human origin.

PRODUCT

Each vial contains 200 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

OB-cadherin (F-3) is available conjugated to agarose (sc-365867 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-365867 HRP), 200 µg/ml, for WB, IHC(P) and FCM; and to either Alexa Fluor<sup>®</sup> 680 (sc-365867 AF680) or Alexa Fluor<sup>®</sup> 790 (sc-365867 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

Alexa Fluor<sup>®</sup> is a trademark of Molecular Probes, Inc., Oregon, USA

DATA

Molecular Weight of OB-cadherin: 115/85 kDa.

SELECT PRODUCT CITATIONS


RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.