

DATASHEET

OB Cadherin Mouse Monoclonal Antibody(C2619)

CAT. NO. AMA02231

KEY FEATURES

| | | | |
|---------------|--|---------------|--------------|
| Target | OB Cadherin | Source / Host | Mouse |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | WB, IHC, IF/ICC, FC | Conjugation | Unconjugated |
| Form / Buffer | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage | at-20°C |

BACKGROUND

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. Required for proper focal adhesion assembly. Involved in the regulation of cell migration.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|--------|----------------|
| WB | 1:500 - 1:1000 |
| IHC | 1:100 - 1:500 |
| IF/ICC | 1:100 - 1:500 |
| FC | 1:100 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|--|
| Description | Mouse monoclonal to OB Cadherin |
| Specificity | Recognizes endogenous levels of OB Cadherin protein |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human OB Cadherin expressed in E. Coli |
| Purification | This antibody is purified through a protein G column. |
| Molecular Weight | Predicted: 88 kD; Observed: 100 kD |
| Form/Buffer | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | Cadherin-11; OSF-4; Osteoblast cadherin; OB-cadherin |
| Gene Symbol | CDH11 |
| Entrez Gene | 1009(Human) |
| SwissProt | P55287(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

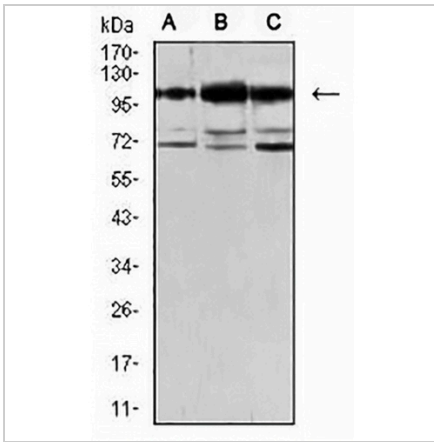
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

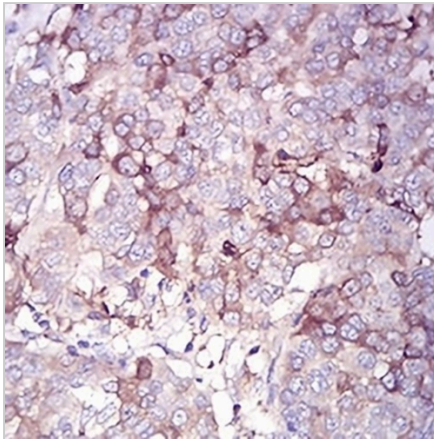
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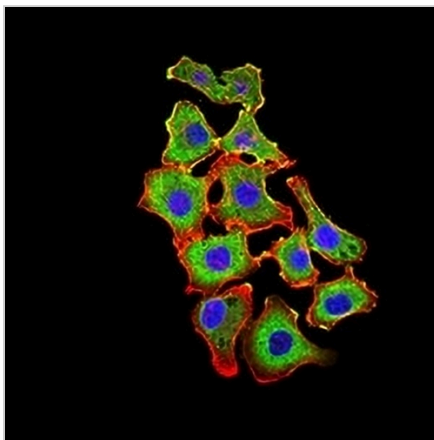
DATA



Western blot analysis of OB Cadherin expression in MCF7 (A), Jurkat (B), HEK293 (C) whole cell lysates. (Predicted band size: 88 kD; Observed band size: 100 kD)



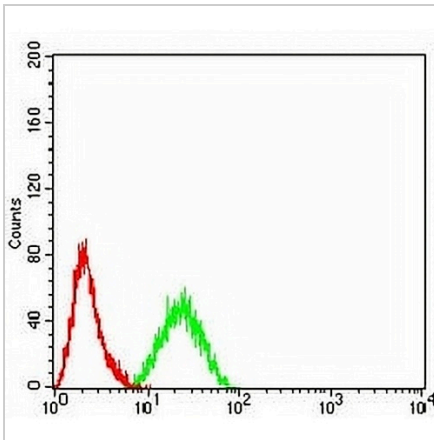
Immunohistochemical analysis of OB Cadherin staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of OB Cadherin staining in HL7702 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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DATA (CONTINUED)

Flow cytometric analysis of HeLa cells using Anti-OB Cadherin Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.