



PRODUCT DATA SHEET

Product: Anti-Caveolin-1 mAb, clone 4D6

Cat. No.: MC-899 (1 mL)

Specificity:

Caveolin-1 is a major structural component of caveolae which are vesicular invaginations present on the plasma membrane of different cell types. It plays a regulatory role in several signalling pathways and is reported to be most abundantly expressed in terminally differentiated mesenchymal cells such as smooth muscle cells, adipocytes, endothelial cells and fibroblasts.

Immunogen:

Prokaryotic recombinant protein containing part of the N-terminus domain of the human Caveolin-1 molecule.

Ig Isotype:

Mouse IgG_{2a}/κ

Cellular Localization:

Cytoplasmic and membrane.

Species Reactivity:

Human. Others not tested.

Positive Control:

Immunohistochemistry: Colon

Western blot: MG-63 cell line

Format:

1 mL of liquid tissue culture supernatant containing monoclonal antibody with 15 mM sodium azide.

Storage:

Store at 4°C until expiration date indicated on the vial label. Prepare working dilutions on the day of use.

Applications and Suggested Dilutions:

- Immunohistochemistry: Paraffin sections. Use at a 1:200 dilution. Use a high-temperature antigen unmasking technique with 60-minute primary antibody incubation at 25°C and standard ABC technique.
- Western blot: Use at ~ 1:4,000 dilution.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.