

DESCRIPTION

Target:	ADAM9
Target aliases:	MDC9, MCMP, KIAA0021, Mltng, CORD9, ADAM 9, MLTNG
Fc isotype:	IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human (Others untested)
Extracellular epitope:	Yes
Fc modifications:	C-terminal Avitag ¹ , disabled Fc- γ receptor binding ²
Source:	Recombinant CHO expression; purified by Protein A chromatography
Formulation:	Endotoxin Free PBS pH 7.4, sterile-filtered
Concentration:	1 mg/ml

1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc- γ receptor binding site to minimize non-specific antibody binding.

ADAM9 TARGET INFORMATION

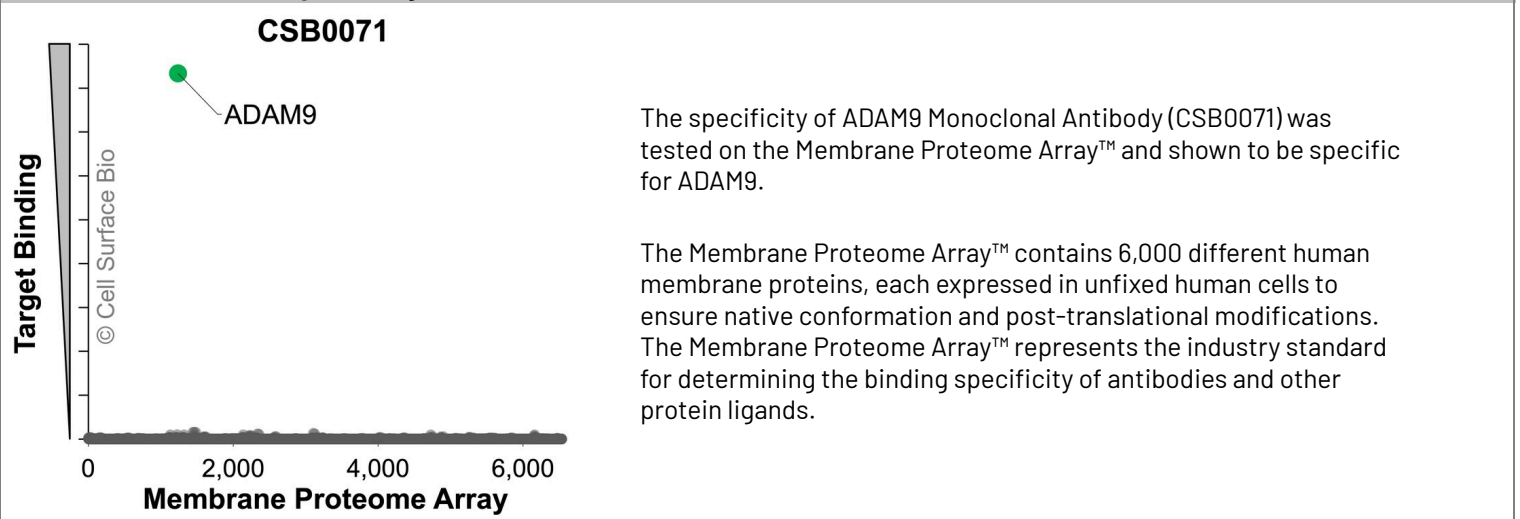
ADAM9 is a single-pass transmembrane protein that is part of the ADAM (A disintegrin and metalloprotease domain) family, whose members are membrane-anchored proteins with similarities in structure to snake venom disintegrins. ADAM family members are involved in cell-cell and cell-matrix interactions during fertilization, muscle development, and neurogenesis. ADAM9 is involved in tumorigenesis and angiogenesis. (NCBI Gene: 8754, UniProtKB/Swiss-Prot: Q13443) Other names: MDC9, MCMP, KIAA0021, Mltng, CORD9, ADAM 9, MLTNG

SHIPPING AND STORAGE

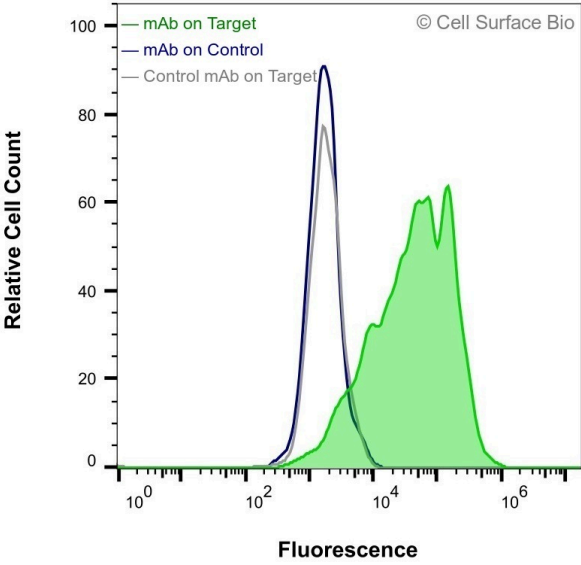
Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA

Membrane Proteome Specificity

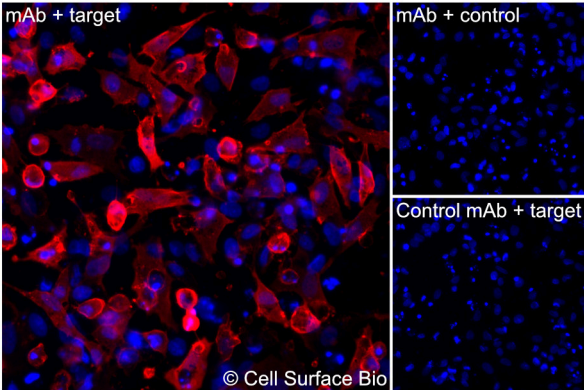


Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



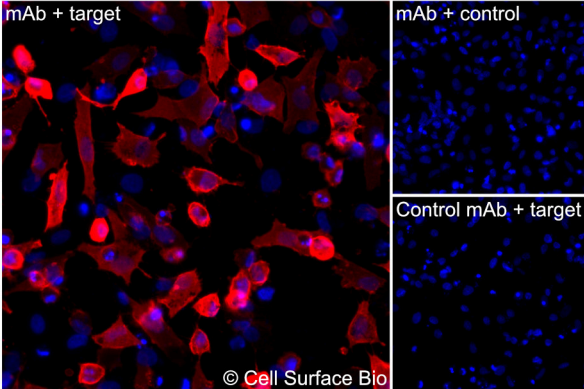
JS-1 cells transiently transfected with ADAM9 were stained with ADAM9 Monoclonal Antibody (CSB0071)(green) or isotype control antibody (gray), followed by AlexaFluor 647- conjugated anti- IgG secondary antibody. JS-1 cells transiently transfected with an empty control vector were also stained with ADAM9 Monoclonal Antibody (CSB0071)(blue).

Applications	Conditions	Recommended concentration
Immunofluorescence, Extracellular	Fixed 4% paraformaldehyde	1 µg/ml



(Left) JS-1 cells transiently transfected ADAM9 were stained with ADAM9 Monoclonal Antibody (CSB0071) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) JS-1 cells transiently transfected with an empty control vector stained with ADAM9 Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with ADAM9 and stained with control MAb.

Applications	Conditions	Recommended concentration
Immunofluorescence, Intracellular	Fixed 4% paraformaldehyde, Permeabilized 0.1% Triton X-100	1 µg/ml



(Left) JS-1 cells transiently transfected ADAM9 were permeabilized and stained with ADAM9 Monoclonal Antibody (CSB0071) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) JS-1 cells transiently transfected with an empty control vector stained with ADAM9 Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with {{target}} and stained with control MAb.