

DESCRIPTION

Target:	ADAM8
Target aliases:	MS2, CD156, CD156A
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.

ADAM8 TARGET INFORMATION

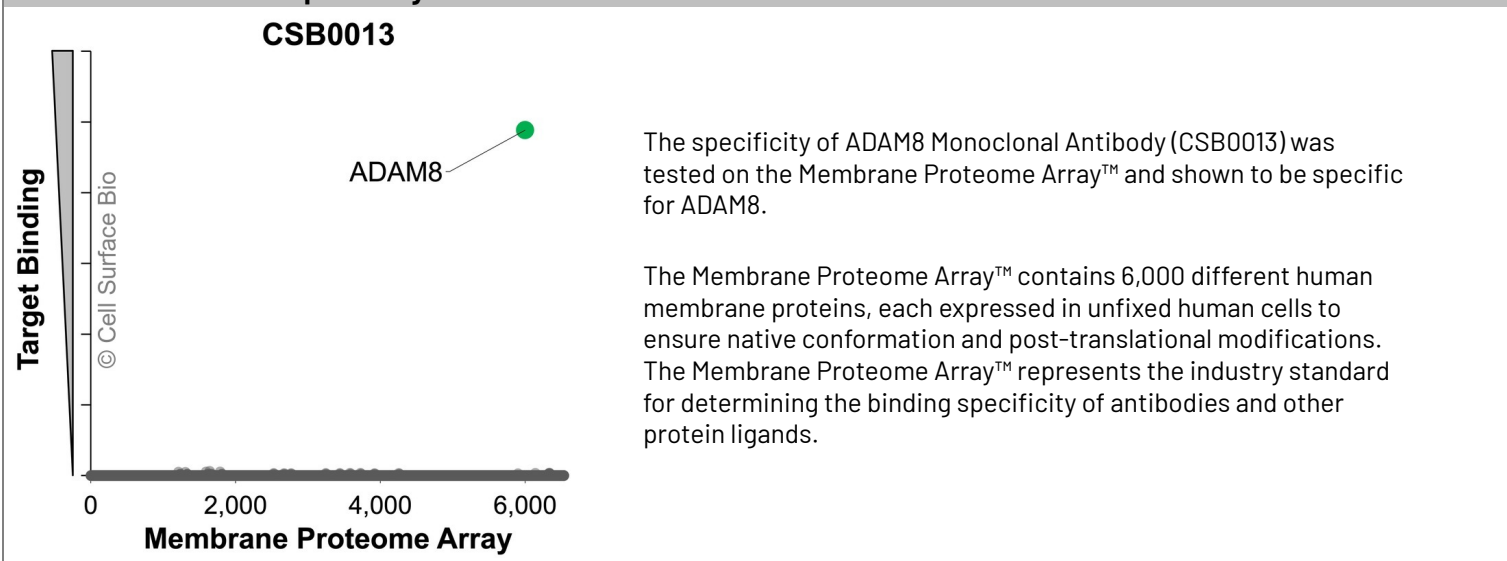
ADAM8 is a single-pass transmembrane protein that is part of the ADAM (A disintegrin and metalloprotease domain) family, whose members are membrane-anchored proteins with similarities in structure to snake venom disintegrins. ADAM family members are involved in cell-cell and cell-matrix interactions during fertilization, muscle development, and neurogenesis. ADAM8 may also play a role in allergic respiratory diseases and cell adhesion during neurodegeneration. (NCBI Gene: 101, UniProtKB/Swiss-Prot: P78325) Other names: MS2, CD156, CD156A

SHIPPING AND STORAGE

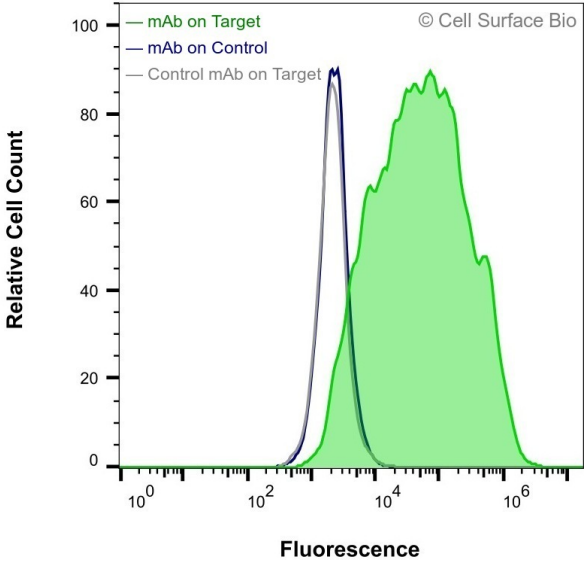
Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA

Membrane Proteome Specificity

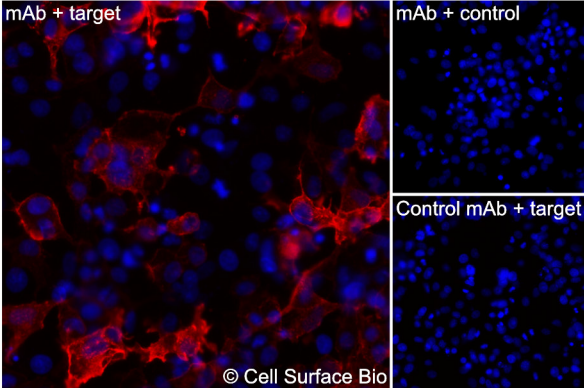


Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



HEK-293F cells transiently transfected with ADAM8 were stained with ADAM8 Monoclonal Antibody (CSB0013) (green) or isotype control antibody (gray), followed by AlexaFluor 647- conjugated anti- IgG secondary antibody. HEK-293F cells transiently transfected with an empty control vector were also stained with ADAM8 Monoclonal Antibody (CSB0013) (blue).

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



(Left) COS-7 cells transiently transfected ADAM8 were stained with ADAM8 Monoclonal Antibody (CSB0013) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with ADAM8 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with ADAM8 and stained with control MAb.

Applications

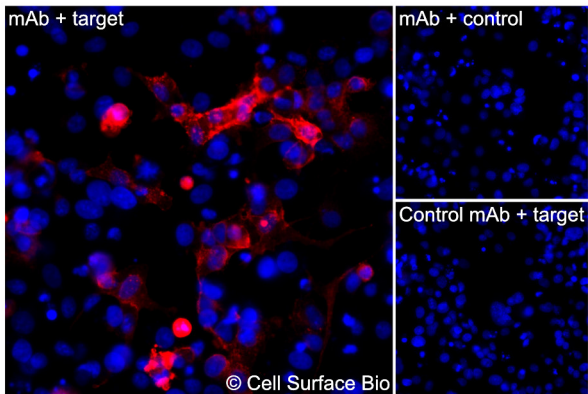
Immunofluorescence, Intracellular

Conditions

Fixed 4 % paraformaldehyde,
Permeabilized 0.1% Triton X-100

Recommended concentration

1 µg/ml



(Left) COS-7 cells transiently transfected ADAM8 were permeabilized and stained with ADAM8 Monoclonal Antibody (CSB0013) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with ADAM8 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with {{target}} and stained with control MAb.