

DESCRIPTION

Target:	CD151
Target aliases:	TSPAN24, PETA-3, RAPH, SFA-1, GP27, EBS7, MER2
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

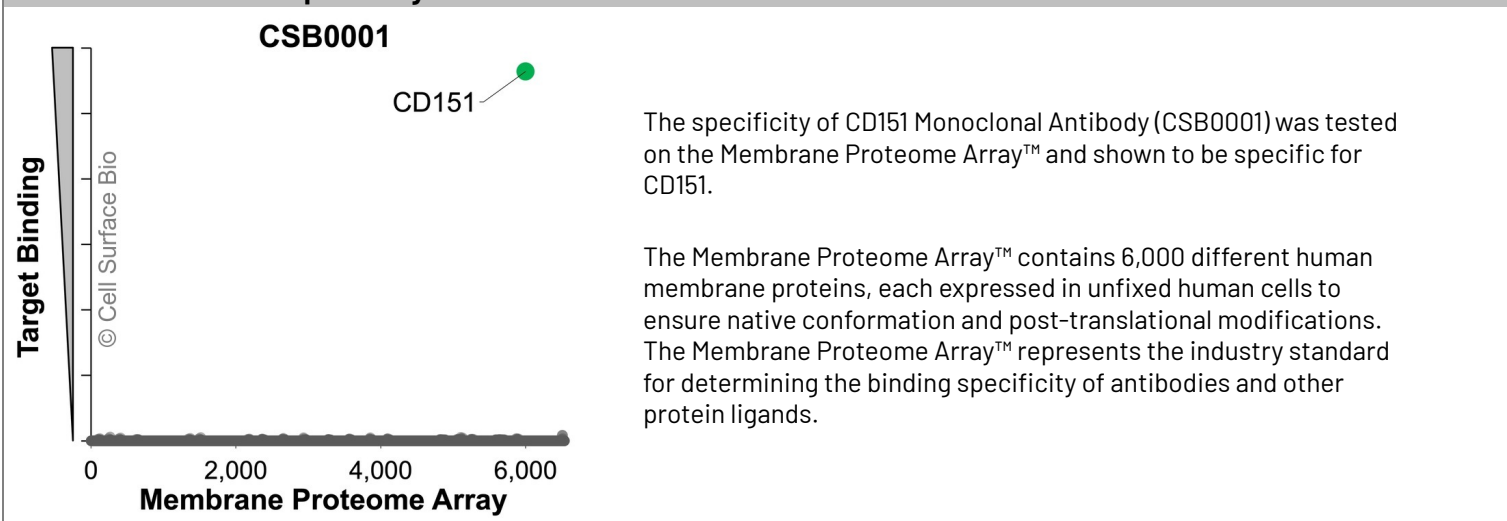
1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc- γ receptor binding site to minimize non-specific antibody binding.

CD151 TARGET INFORMATION

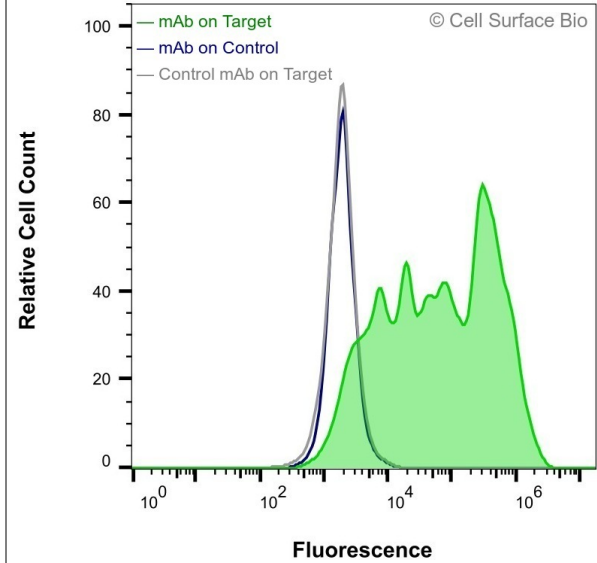
CD151 is a member of the tetraspanin family, which is typically characterized by four hydrophobic domains. CD151 complexes with integrins and other tetraspanins, is involved in cell adhesion, and may also regulate integrin trafficking and function. CD151 plays a role in HPV-16 endocytosis and cell motility, invasion, and metastasis of cancer cells. (NCBI Gene: 977, UniProtKB/Swiss-Prot: P48509) Other names: TSPAN24, PETA-3, RAPH, SFA-1, GP27, EBS7, MER2

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.

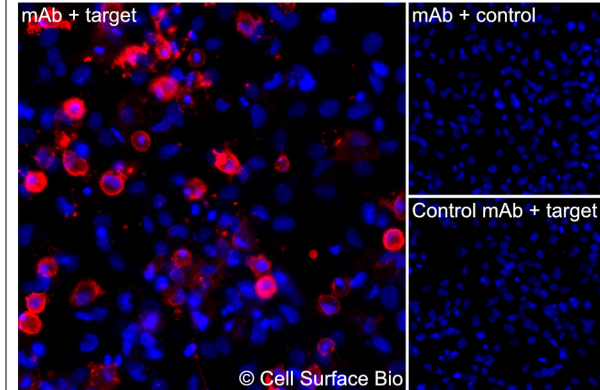
VALIDATION DATA
Membrane Proteome Specificity


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



JS-1 cells transiently transfected with CD151 were stained with CD151 Monoclonal Antibody (CSB0001)(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 CD151 Monoclonal Antibody (CSB0001)(blue).

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



(Left) JS-1 cells transiently transfected CD151 were stained with CD151 Monoclonal Antibody (CSB0001) 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 CD151 Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with CD151 and stained with control MAb.

Applications

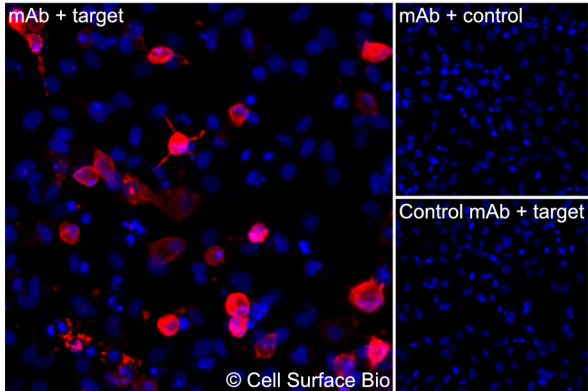
Immunofluorescence, Intracellular

Conditions

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

Recommended concentration

1 µg/ml



(Left) JS-1 cells transiently transfected CD151 were permeabilized and stained with CD151 Monoclonal Antibody (CSB0001) 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 CD151 Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with {{target}} and stained with control MAb.