TECHNICAL DATA SHEET

TSPAN33 MAb

Catalog Number: CSB0264

DESCRIPTION

Target:	TSPAN33
Target aliases:	PEN, PEN., TSPAN-33
Fc isotype:	Mouse IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human, Mouse, Cow
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.

TSPAN33 TARGET INFORMATION

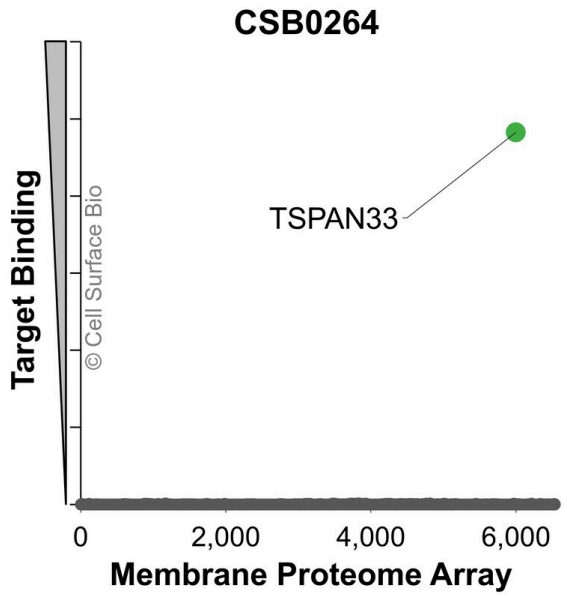
Tetraspanin-33 (TSPAN33) is a member of the tetraspanin protein family, characterized by four transmembrane domains. It is implicated in cellular processes such as signal transduction and cell-cell adhesion. TSPAN33 is expressed in various tissues and plays a role in immune cell development, making it a valuable target for research into hematopoiesis and immune response. (NCBI Gene: 340348, UniProtKB/Swiss-Prot: Q86UF1) Other names: PEN, PEN., TSPAN-33

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

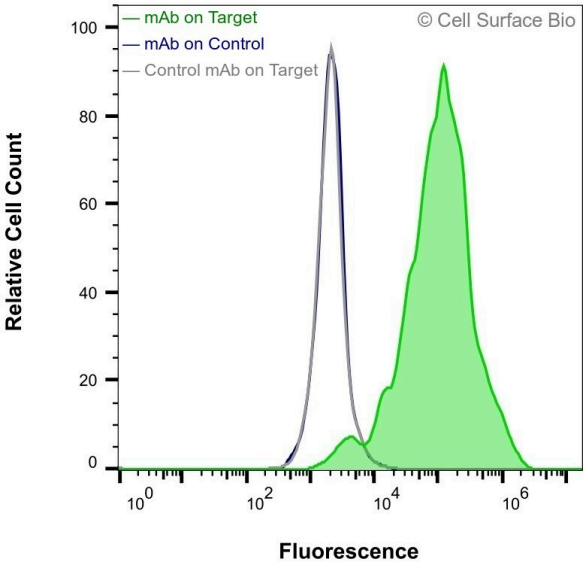


The specificity of TSPAN33 Monoclonal Antibody (CSB0264) was tested on the Membrane Proteome Array™ and shown to be specific for human TSPAN33.

The Membrane Proteome Array™ contains 6,000 different human membrane proteins, each expressed in unfixed Avian cells to ensure native conformation and post-translational modifications. The Membrane Proteome Array™ represents the industry standard for determining the binding specificity of antibodies and other protein ligands.

www.cellsurfacebio.com info@cellsurfacebio.com +1 (215) 987-0728

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



JS-1 cells transiently transfected with human TSPAN33 were stained with TSPAN33 Monoclonal Antibody (CSB0264) (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 TSPAN33 Monoclonal Antibody (CSB0264) (blue).