



DESCRIPTION

Target:	TNFRSF10B
Target aliases:	TRAIL-R2, TRAILR2, KILLER, DR5, TRICK2A, TRICKB, CD262, TRICK2, ZTNFR9, KILLER/DR5, TRICK2B
Fc isotype:	Mouse IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human (others untested)
Epitope:	
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 to endogenously-expressed Fc-γ receptors on target cells.

TNFRSF10B TARGET INFORMATION

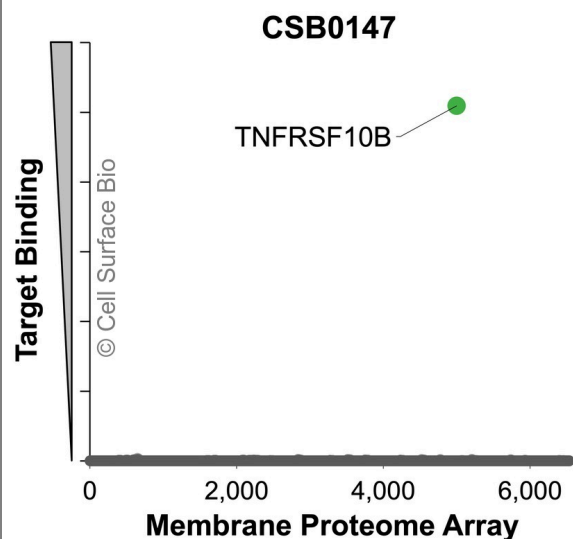
TNFRSF10B is a single-pass transmembrane protein. TNFRSF10B binds TNFSF10 as part of apoptosis signaling pathway that requires FADD to function. (NCBI Gene: 8795, UniProtKB/Swiss-Prot: O14763) Other names: TRAIL-R2, TRAILR2, KILLER, DR5, TRICK2A, TRICKB, CD262, TRICK2, ZTNFR9, KILLER/DR5, TRICK2B

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.

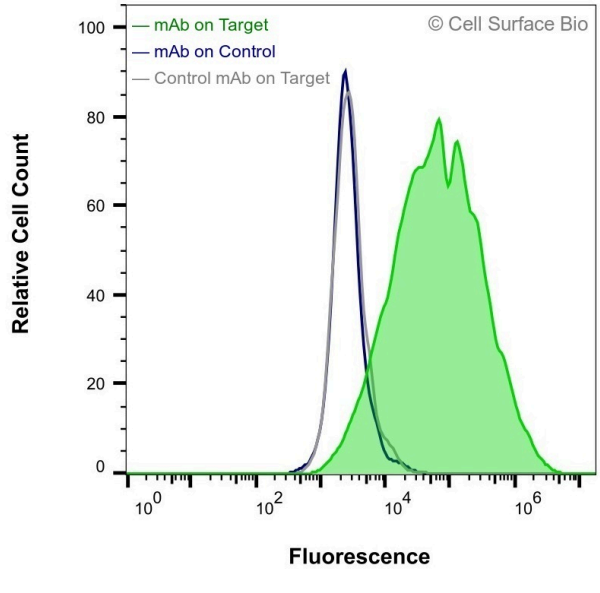
VALIDATION DATA

Membrane Proteome Specificity

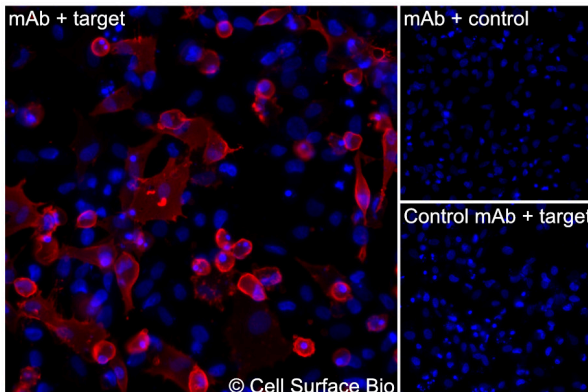


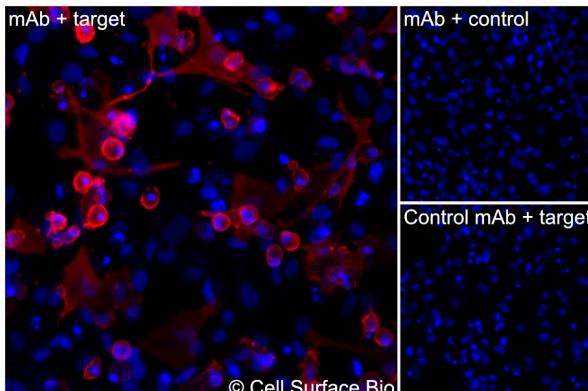
The specificity of TNFRSF10B Monoclonal Antibody (CSB0147) was tested on the Membrane Proteome Array™ and shown to be specific for human TNFRSF10B.

The Membrane Proteome Array™ contains 6,000 different human membrane proteins, each expressed in unfixed human 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.



HEK-293F cells transiently transfected with human TNFRSF10B were stained with TNFRSF10B Monoclonal Antibody (CSB0147) (green) or isotype control antibody (gray), followed by AlexaFluor 647-conjugated anti-Mouse IgG secondary antibody. HEK-293F cells transiently transfected with an empty control vector were also stained with TNFRSF10B Monoclonal Antibody (CSB0147) (blue).

Applications	Conditions	Recommended concentration
Immunofluorescence, Extracellular	Fixed 4% paraformaldehyde	1 µg/ml
		
<p>(A) JS-1 cells transiently transfected with human TNFRSF10B were stained with TNFRSF10B Monoclonal Antibody (CSB0147) followed by AlexaFluor 647 anti-Mouse IgG secondary antibody (red) and DAPI (blue). (B) JS-1 cells transiently transfected with an empty control vector stained with TNFRSF10B Monoclonal Antibody. (C) Isotype control: JS-1 cells transfected with human TNFRSF10B and stained with control MAb.</p>		

Applications	Conditions	Recommended concentration
Immunofluorescence, Intracellular	Fixed 4% paraformaldehyde, Permeabilized 0.1% Triton X-100	1 µg/ml
		
<p>(A) JS-1 cells transiently transfected with human TNFRSF10B were permeabilized and stained with TNFRSF10B Monoclonal Antibody (CSB0147) followed by AlexaFluor 647 anti-Mouse IgG secondary antibody (red) and DAPI (blue). (B) JS-1 cells transiently transfected with an empty control vector stained with TNFRSF10B Monoclonal Antibody. (C) Isotype control: JS-1 cells transfected with human TNFRSF10B and stained with control MAb.</p>		