



**DESCRIPTION**

<b>Target:</b>	CXCR7
<b>Target aliases:</b>	ACKR3, GPR159, RDC1, CMKOR1, CXC-R7, CXCR-7, RDC-1
<b>Fc isotype:</b>	Mouse IgG2a
<b>Membrane proteome specificity:</b>	Monospecific for 6,000 membrane proteins tested
<b>Species reactivity:</b>	Human (others untested)
<b>Epitope:</b>	
<b>Fc modifications:</b>	C-terminal Avitag <sup>1</sup> , disabled Fc-γ receptor binding <sup>2</sup>
<b>Source:</b>	Recombinant CHO expression; purified by Protein A chromatography
<b>Formulation:</b>	Endotoxin Free PBS pH 7.4, sterile-filtered
<b>Concentration:</b>	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.

**CXCR7 TARGET INFORMATION**

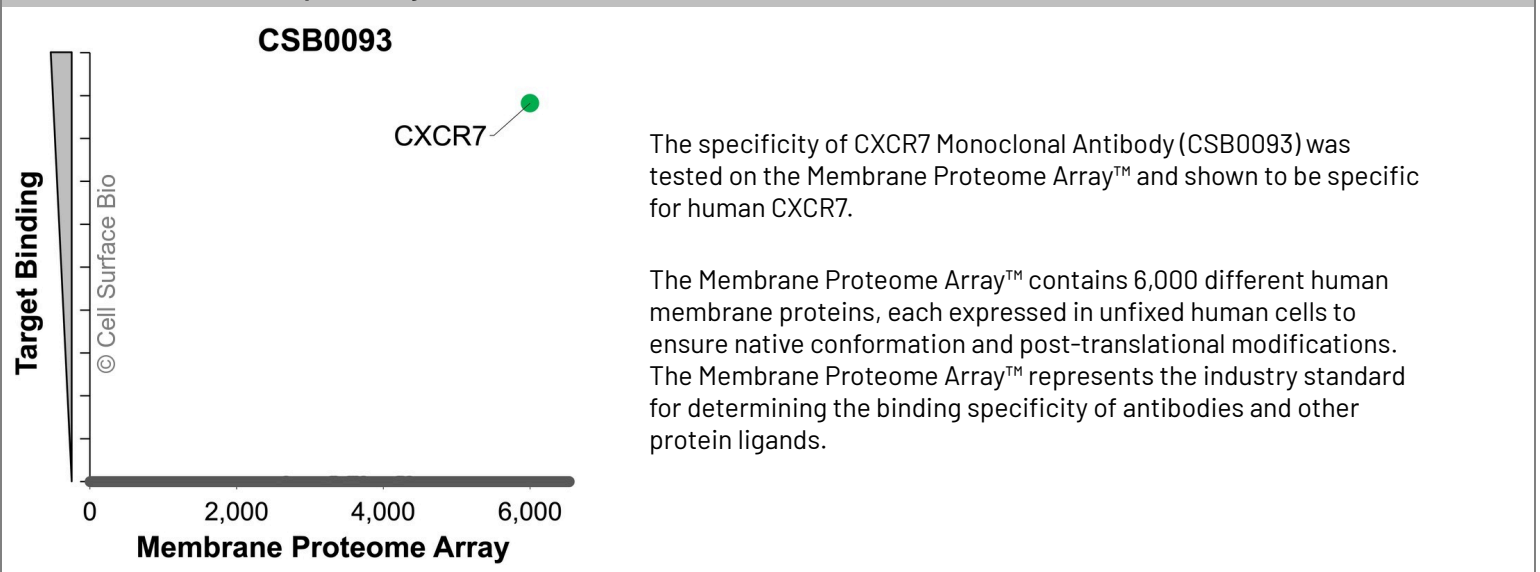
CXCR7 is a multi-pass transmembrane protein, atypical chemokine receptor, and member of the G-protein coupled receptor family. CXCR7 is a receptor for CXCL11 and CXCL12/SDF1 and a coreceptor for HIV. CXCR7 is involved in chemokine responsiveness in migrating interneurons, resistance to apoptosis in glioma cells, cell adhesion and migration in malignant hematopoietic cells, axon guidance in the oculomotor system, and heart valve development. (NCBI Gene: 57007, UniProtKB/Swiss-Prot: P25106). Other names: ACKR3, GPR159, RDC1, CMKOR1, CXC-R7, CXCR-7, RDC-1

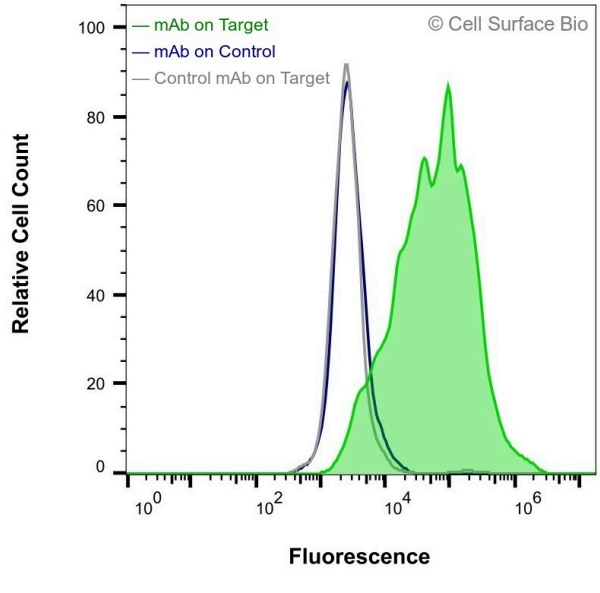
**SHIPPING AND STORAGE**

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

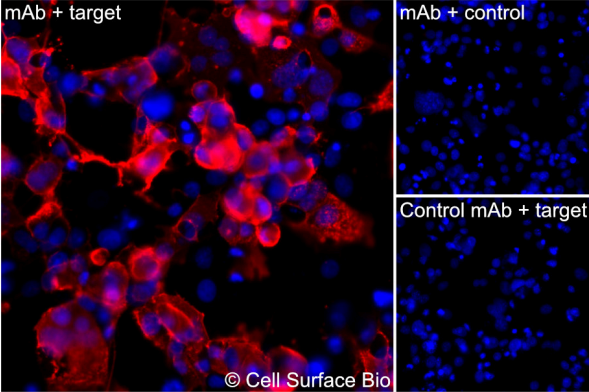
**VALIDATION DATA**

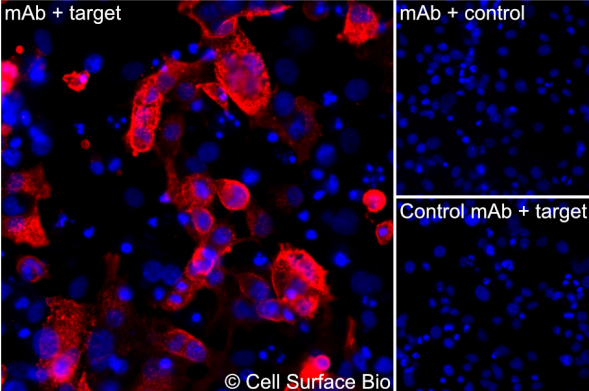
**Membrane Proteome Specificity**





HEK-293F cells transiently transfected with human CXCR7 were stained with CXCR7 Monoclonal Antibody (CSB0093)(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 CXCR7 Monoclonal Antibody (CSB0093)(blue).

Applications	Conditions	Recommended concentration
Immunofluorescence, Extracellular	Fixed 4% paraformaldehyde	1 µg/ml
 <p data-bbox="695 315 1474 535">(A) COS-7 cells transiently transfected with human CXCR7 were stained with CXCR7 Monoclonal Antibody (CSB0093) followed by AlexaFluor 647 anti-mouse IgG secondary antibody (red) and DAPI (blue). (B) COS-7 cells transiently transfected with an empty control vector stained with CXCR7 Monoclonal Antibody. (C) Isotype control: COS-7 cells transfected with human CXCR7 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 data-bbox="695 1102 1442 1323">(A) COS-7 cells transiently transfected with human CXCR7 were permeabilized and stained with CXCR7 Monoclonal Antibody (CSB0093) followed by AlexaFluor 647 anti-mouse IgG secondary antibody (red) and DAPI (blue). (B) COS-7 cells transiently transfected with an empty control vector stained with CXCR7 Monoclonal Antibody. (C) Isotype control: COS-7 cells transfected with human CXCR7 and stained with control MAb.</p>		