

DESCRIPTION

Target:	CXCR7
Target aliases:	ACKR3, GPR159, RDC1, CMKOR1, CXCR7, CXCR-7, RDC-1
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.

CXCR7 TARGET INFORMATION

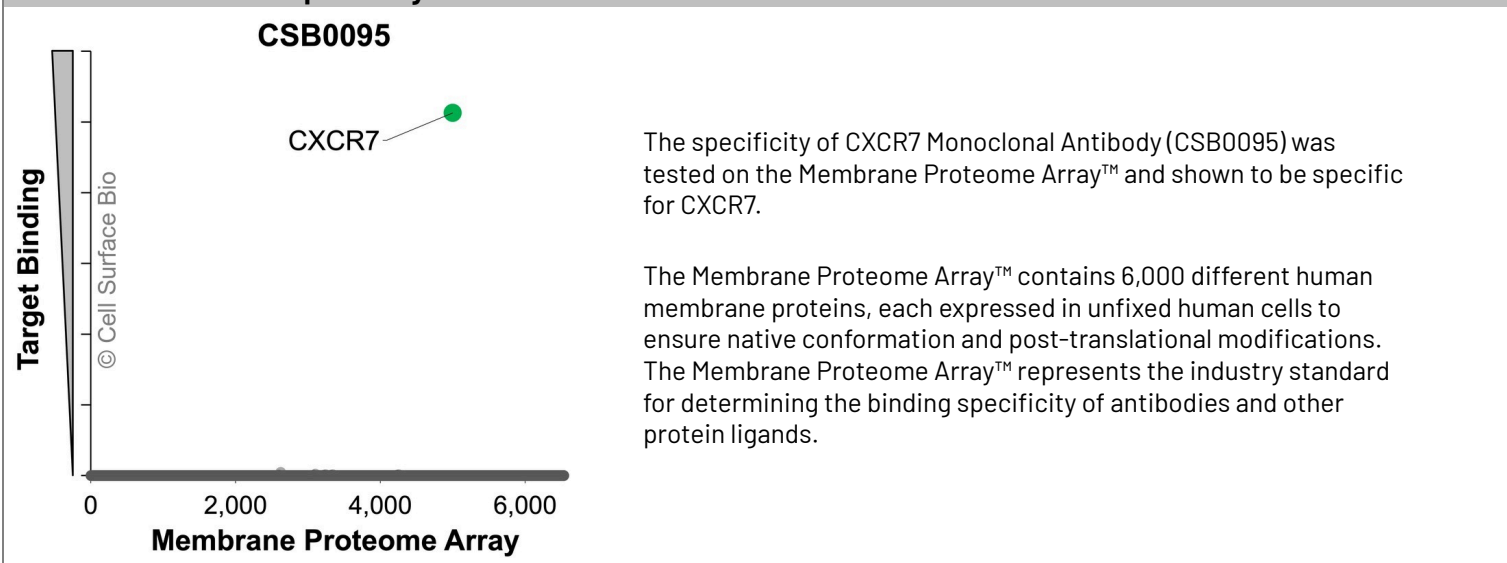
CXCR7 is a multi-pass transmembrane protein, atypical chemokine receptor, and member of the G-protein coupled receptor family. CXCR7 is a receptor for CXCL11 and CXCL12/SDF1 and a coreceptor for HIV. CXCR7 is involved in chemokine responsiveness in migrating interneurons, resistance to apoptosis in glioma 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, CXCR7, CXCR-7, RDC-1

SHIPPING AND STORAGE

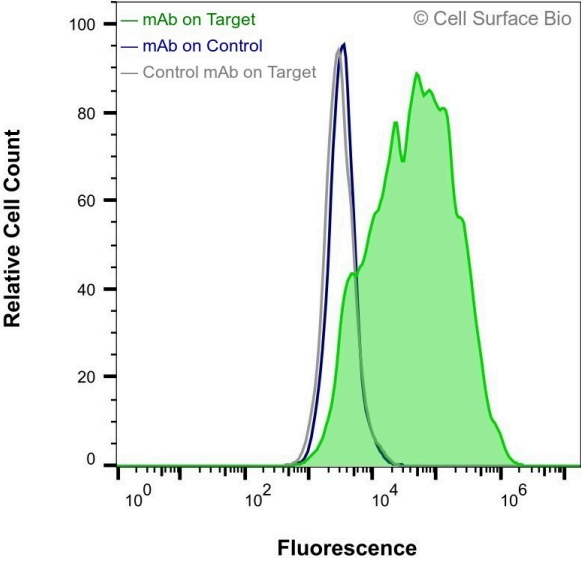
Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA

Membrane Proteome Specificity

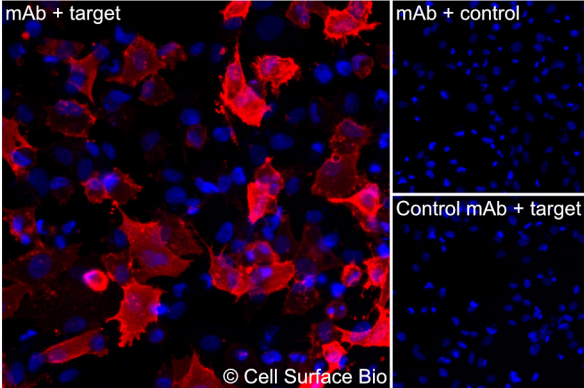


Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



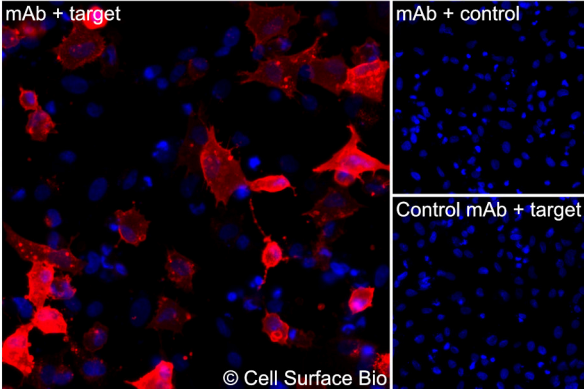
HEK-293F cells transiently transfected with CXCR7 were stained with CXCR7 Monoclonal Antibody (CSB0095)(green) or isotype control antibody (gray), followed by AlexaFluor 647- conjugated anti- IgG secondary antibody. HEK-293F cells transiently transfected with an empty control vector were also stained with CXCR7 Monoclonal Antibody (CSB0095)(blue).

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



(Left) JS-1 cells transiently transfected CXCR7 were stained with CXCR7 Monoclonal Antibody (CSB0095) 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 CXCR7 Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with CXCR7 and stained with control MAb.

Applications	Conditions	Recommended concentration
Immunofluorescence, Intracellular	Fixed 4% paraformaldehyde, Permeabilized 0.1% Triton X-100	1 µg/ml



(Left) JS-1 cells transiently transfected CXCR7 were permeabilized and stained with CXCR7 Monoclonal Antibody (CSB0095) 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 CXCR7 Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with {{target}} and stained with control MAb.