

DESCRIPTION

Target:	CX3CL1
Target aliases:	Fractalkine, C3Xkine, ABCD-3, CXC3C, SCYD1, CXC3, NTN, NTT, FKN
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.

CX3CL1 TARGET INFORMATION

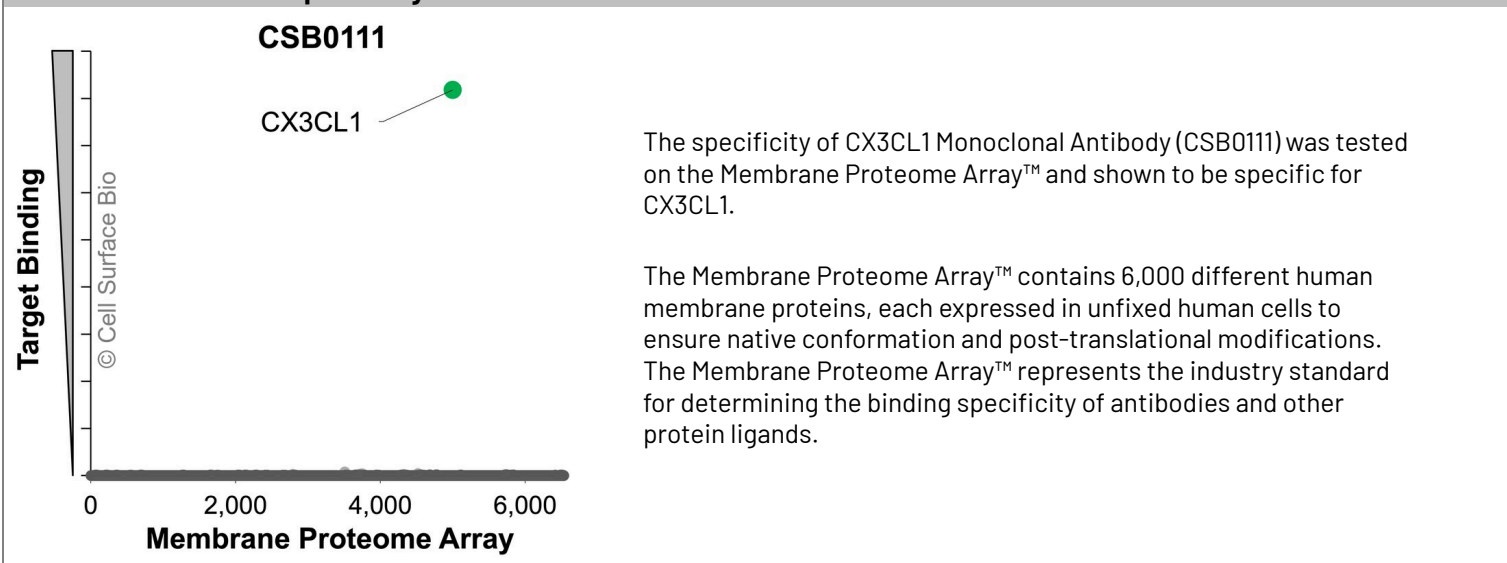
CX3CL1 is a member of the CX3C subgroup of chemokines and exists as a single-pass transmembrane protein and as a soluble chemotactic chemokine. CX3CL1 binds CX3CR1, ITGA5:ITGB3, and ITGA4:ITGB1 and plays roles in immune response, inflammation, cell adhesion, and chemotaxis. CX3CL1 is involved in cancer, inflammatory diseases, HIV infection, vasculitis, atherosclerosis, and neuropathies. (NCBI Gene: 6376, UniProtKB/Swiss-Prot: P78423) Other names: Fractalkine, C3Xkine, ABCD-3, CXC3C, SCYD1, CXC3, NTN, NTT, FKN

SHIPPING AND STORAGE

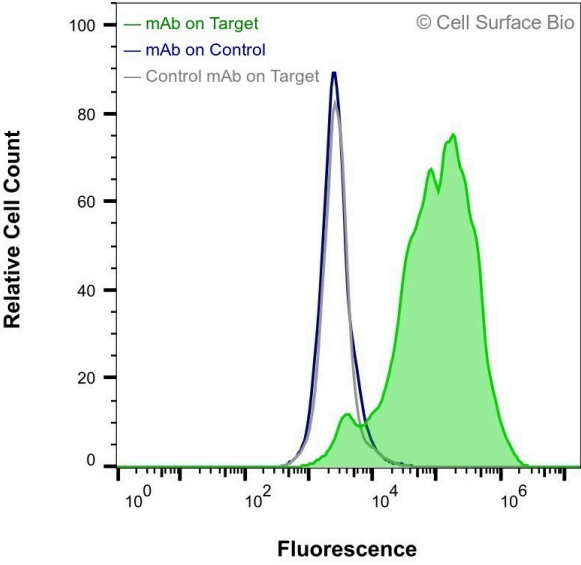
Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA

Membrane Proteome Specificity

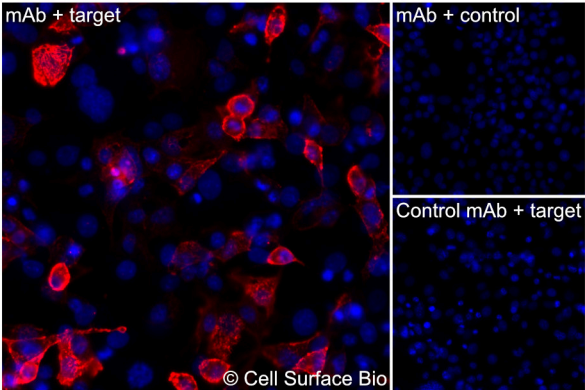


Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



HEK-293F cells transiently transfected with CX3CL1 were stained with CX3CL1 Monoclonal Antibody (CSB0111)(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 CX3CL1 Monoclonal Antibody (CSB0111)(blue).

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



(Left) COS-7 cells transiently transfected CX3CL1 were stained with CX3CL1 Monoclonal Antibody (CSB0111) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with CX3CL1 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with CX3CL1 and stained with control MAb.

Applications	Conditions	Recommended concentration
Immunofluorescence, Intracellular	Fixed 4 % paraformaldehyde, Permeabilized 0.1% Triton X-100	1 µg/ml
mAb + target © Cell Surface Bio mAb + control Control mAb + target (Left) COS-7 cells transiently transfected CX3CL1 were permeabilized and stained with CX3CL1 Monoclonal Antibody (CSB0111) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with CX3CL1 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with {{target}} and stained with control MAb.		