

DESCRIPTION

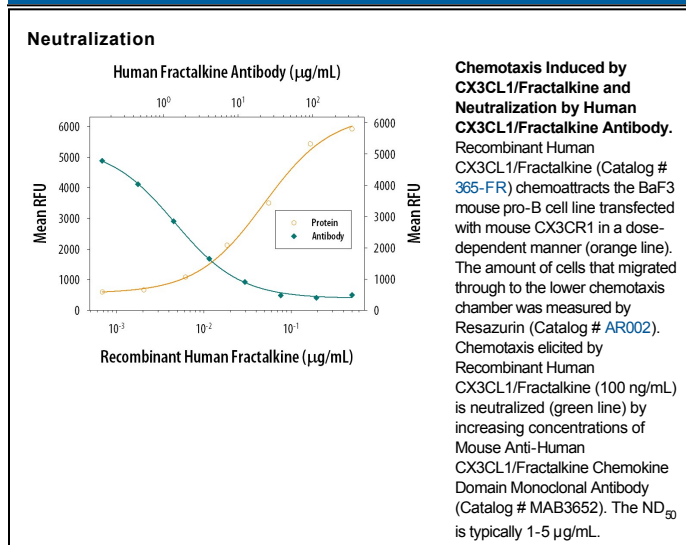
Species Reactivity	Human
Specificity	Detects human CX3CL1/Fractalkine in ELISAs. In sandwich immunoassays, less than 10% cross-reactivity with recombinant mouse CXCL6 and less than 0.2% cross-reactivity with recombinant human (rh) CXCL6, rhCXCL9, and recombinant rat CX3CL1 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 81506
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0-derived and <i>E. coli</i> -derived Recombinant Human CX3CL1/Fractalkine Gln25-Arg339 Accession # P78423
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	2.5 µg/10 ⁶ cells	Human CX3CL1/Fractalkine transfected NS0 cells fixed with paraformaldehyde and permeabilized with saponin
Human CX3CL1/Fractalkine Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human CX3CL1/Fractalkine Chemokine Domain Antibody (Catalog # MAB3652)
ELISA Detection Standard	0.5-2.0 µg/mL	Human CX3CL1/Fractalkine Chemokine Domain Biotinylated Antibody (Catalog # BAM365) Recombinant Human CX3CL1/Fractalkine Full Length (Catalog # 365-FR)
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
Neutralization	Measured by its ability to neutralize CX3CL1/Fractalkine-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with mouse CX3CR1. The Neutralization Dose (ND ₅₀) is typically 1-5 µg/mL in the presence of 100 ng/mL Recombinant Human CX3CL1/Fractalkine.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CX3CL1, also known as Fractalkine, is a type I membrane protein in which a chemokine domain possessing a unique C-X₃-C cysteine motif is tethered on a long mucin-like stalk. It can also be released as a soluble molecule upon proteolysis at a membrane proximal site.