

## DESCRIPTION

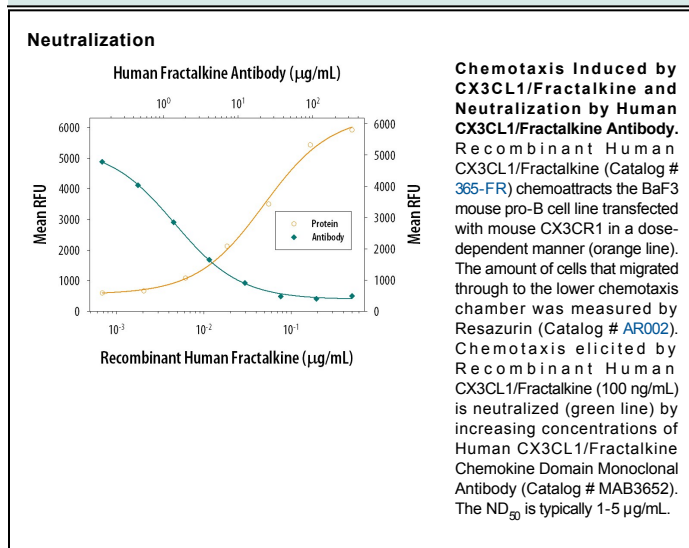
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CX3CL1/Fractalkine in ELISAs. In sandwich immunoassays, less than 10% cross-reactivity with recombinant mouse CXCL6 and less than 0.2% cross-reactivity with recombinant human (rh) CXCL6, rhCXCL9, and recombinant rat CX3CL1 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 81506
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0-derived and <i>E. coli</i> -derived Recombinant Human CX3CL1/Fractalkine Gln25-Arg339 Accession # P78423
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	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
<b>Intracellular Staining by Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	Human CX3CL1/Fractalkine transfected NS0 cells fixed with paraformaldehyde and permeabilized with saponin
<b>Human CX3CL1/Fractalkine Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-8 µg/mL	Human CX3CL1/Fractalkine Chemokine Domain Antibody (Catalog # <a href="#">MAB3652</a> )
<b>ELISA Detection</b>	0.5-2.0 µg/mL	Human CX3CL1/Fractalkine Chemokine Domain Biotinylated Antibody (Catalog # <a href="#">BAM365</a> )
<b>Standard</b>		Recombinant Human CX3CL1/Fractalkine Full Length (Catalog # <a href="#">365-FR</a> )
<b>Neutralization</b>	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 <sub>50</sub> ) is typically 1-5 µg/mL in the presence of 100 ng/mL Recombinant Human CX3CL1/Fractalkine.	

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.