**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, mCXCL9, and recombinant rat CX3CL1 is observed.

**Source**: Monoclonal Mouse IgG1 Clone # 81506

**Purification**: Protein A or G purified from hybridoma culture supernatant

**Immunogen**: NS0-derived and E. coli-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.

**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**

<table>
<thead>
<tr>
<th>Sample</th>
<th>Intracellular Staining by Flow Cytometry</th>
<th>Reagent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human CX3CL1/Fractalkine transected NS0 cells fixed with paraformaldehyde and permeabilized with saponin</td>
<td>2.5 μg/10^6 cells</td>
<td>Human CX3CL1/Fractalkine Chemokine Domain Antibody (Catalog # MAB3652)</td>
</tr>
</tbody>
</table>

**Human CX3CL1/Fractalkine Sandwich Immunoassay**

<table>
<thead>
<tr>
<th>Reagent</th>
<th>ELISA Capture</th>
<th>2-8 μg/mL</th>
<th>Human CX3CL1/Fractalkine Chemokine Domain Antibody (Catalog # MAB3652)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA Detection Standard</td>
<td>0.5-2.0 μg/mL</td>
<td>Human CX3CL1/Fractalkine Chemokine Domain Biotinylated Antibody (Catalog # BAM365)</td>
<td></td>
</tr>
</tbody>
</table>

**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.

**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.
- 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.
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.