

DESCRIPTION

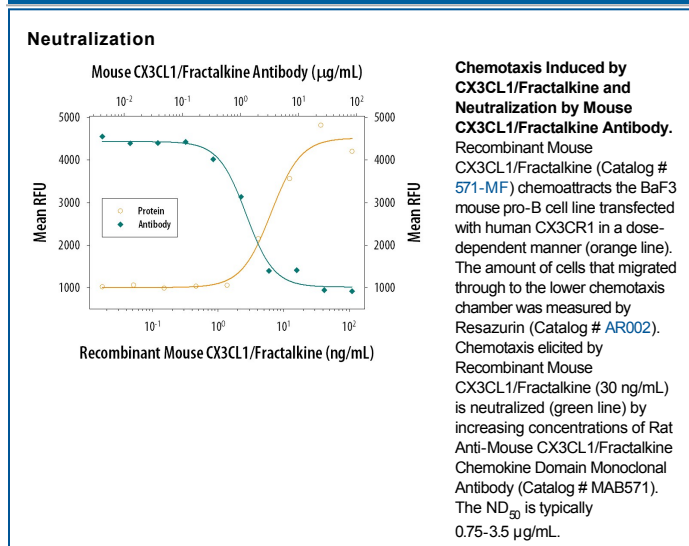
Species Reactivity	Mouse
Specificity	Detects mouse CX3CL1/Fractalkine in Western blots. In direct ELISAs, this antibody shows 100% cross-reactivity with the chemokine domain of recombinant human (rh) CX3CL1, 13% cross-reactivity with rhCX3CL1, and 50% cross-reactivity with recombinant rat CX3CL1.
Source	Monoclonal Rat IgG _{2A} Clone # 126315
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CX3CL1/Fractalkine, <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse CX3CL1/Fractalkine, and <i>E. coli</i> -derived recombinant mouse CX3CL1/Fractalkine
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
Western Blot	1 µg/mL	Recombinant Mouse CX3CL1/Fractalkine Full Length (Catalog # 472-FF) under non-reducing conditions only
Mouse CX3CL1/Fractalkine Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Mouse CX3CL1/Fractalkine Chemokine Domain Antibody (Catalog # MAB571)
ELISA Detection Standard	0.1-0.4 µg/mL	Mouse CX3CL1/Fractalkine Chemokine Domain Biotinylated Antibody (Catalog # BAF472) Recombinant Mouse CX3CL1/Fractalkine Full Length (Catalog # 472-FF)
Neutralization		Measured by its ability to neutralize CX3CL1/Fractalkine-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CX3CR1. The Neutralization Dose (ND ₅₀) is typically 0.75-3.5 µg/mL in the presence of 30 ng/mL Recombinant Mouse CX3CL1/Fractalkine aa 25-105.

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.