

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CXCL1/GRO α /KC/CINC-1 in direct ELISAs and Western blots. Shows 100% cross-reactivity with recombinant human (rh) CXCL2, less than 40% cross-reactivity with recombinant rat (rr) CINC-1, and no cross-reactivity with recombinant human CXCL1.
Source	Monoclonal Rat IgG _{2A} Clone # 48415
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse CXCL1/GRO α /KC/CINC-1 Arg20-Lys96 Accession # P12850
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Neutralization	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CXCL1, also known as KC and GRO α , is a CXC family chemokine that is expressed in fibroblasts, macrophages, and endothelial cells and interacts with CXCR2. CXCL1 is a potent neutrophil attractant and activator. It also promotes angiogenesis by inducing VEGF production by neutrophils. N-terminally truncated CXCL1 demonstrates increased potency in CXCR2 signaling. Mature mouse CXCL1 shares 96% and 64% aa sequence identity with rat and human CXCL1, respectively.

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