Human CXCL1/2/3/GRO Pan Specific Antibody

Monoclonal Mouse IgG_1 Clone # 29702

Catalog Number: MAB2761

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CXCL1/2/3 in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant mouse (rm) CXCL2 is observed and no cross-reactivity with recombinant human (rh) VIC, rmVIC, rhCCL3L1, rhCCL4L1, or recombinant canine IL-8 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 29702
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human CXCL3 Ala35-Asn107 Accession # P19876
Formulation	Lyophilized from a 0.2 μm filtered solution in Tris and NaCl 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 Human CXCL1/GROα/KC/CINC-1 (Catalog # 275-GR) Recombinant Human CXCL2/GROβ/MIP-2/CINC-3 (Catalog # 276-GB) Recombinant Human CXCL3/GROγ/CINC-2/DCIP-1 (Catalog # 277-GG) under non-reducing conditions only
Intracellular Staining by Flow Cytometry	2.5 µg/10^6 cells	Human peripheral blood mononuclear cells treated with PHA, fixed with paraformaldehyde, and permeabilized with saponin

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.

BACKGROUND

CXCL1, CXCL2, and CXCL3, also known respectively as GROα, GROβ (MIP-2α) and GROγ (MIP-2β), are members of the CXC subfamily of chemokines. Mature CXCL1/2/3 proteins bind with high affinity to the IL-8 receptor type B and are potent neutrophil attractants and activators.