

Product datasheet for PP032P1

Cxcl2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<u>Neutralization:</u> To yield one-half maximal inhibition [ND50] of the biological activity of Rat GRO β /MIP-2 (100 ng/ml), a concentration of 3.0-5.0 μ g/ml of this antibody is required <u>ELISA:</u> (Indirect): To detect Rat GRO β /MIP-2 by indirect ELISA (using 100 μ l/well antibody solution) a concentration of 0.5-2.0 μ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2- 0.4 ng/well of recombinant Rat GRO β /MIP-2. (Sandwich): To detect Rat GRO β /MIP-2 by sandwich ELISA (using 100 μ l/well antibody solution) a concentration of 0.5-2.0 μ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Rat GRO β /MIP-2 (PP032B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Rat GRO β /MIP-2. <u>Western Blot:</u> To detect Rat GRO β /MIP-2 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 μ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat GRO β /MIP-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	highly pure (>98%) recombinant rat GRO/b/MIP-2
Specificity:	This antibody recognises Rat GRO β /MIP-2.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography.
Conjugation:	Unconjugated



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Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	C-X-C motif chemokine ligand 2
Database Link:	Entrez Gene 114105 Rat P30348
Background:	GRO beta is a member of the CXC, or chemokine class. It contains the ELR domain immediately preceding the first cysteine residue near the amino terminus. Other chemokines in this group include IL8, GRO alpha/beta/gamma, mouse KC, ENA78, GCP2, PBP/CTAPIII/beta TG/NAP2. These chemokines act primarily on neutrophils as chemoattractants and activators, including neutrophil degradation with release of myeloperoxidase and other enzymes. GRO beta was originally identified as a heparin-binding protein secreted from a murine macrophage cell line in response to endotoxin stimulation. GRO beta is an approximately 8 kDa polypeptide of 73 amino acids. The precursor form of GRO beta consists of 100 amino acids. To generate the mature GRO beta, the precursor cleaves its amino terminal 27 amino acids. GRO beta shows 60% amino acid homology to human GRO alpha and GRO gamma.
Synonyms:	C-X-C motif chemokine 2, GRO2, GROB, MIP-2A, SCYB2, Gro-beta, MIP2-alpha
Note:	Centrifuge vial prior to opening!