

## Product datasheet for **PP1082B2**

### Cxcl2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Direct ELISA:</b> Using 100 µl/well antibody solution, a concentration of ~1.0 µg/ml is required. This Biotin conjugated antibody allows the detection of at least 0.2-0.4 ng/well of recombinant Murine MIP-2. <b>Sandwich ELISA:</b> Using 100 µl/well antibody solution, a concentration of 0.5-2.0 µg/ml is required. In conjunction with Purified Anti-Murine MIP-2 (cat. no. PP1082P1 / PP1082P2) as a Capture antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Murine MIP-2. <b>Western Blot:</b> To detect Murine MIP-2 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Murine MIP-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant Murine MIP- 2.
Specificity:	This antibody detects MIP-2.
Formulation:	PBS, pH 7.2 Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction Label: conjugated
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized mMIP-2 matrix
Conjugation:	Biotin
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.



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<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	chemokine (C-X-C motif) ligand 2
<b>Database Link:</b>	<a href="#">Entrez Gene 20310 Mouse P10889</a>
<b>Background:</b>	<p>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.</p>
<b>Synonyms:</b>	C-X-C motif chemokine 2, GRO2, GROB, MIP-2A, SCYB2, Gro-beta, MIP2-alpha
<b>Note:</b>	Centrifuge vial prior to opening!