

Product datasheet for **PP1013P2**

GRO beta (CXCL2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	Neutralization (To yield one-half maximal inhibition [ND50] of the biological activity of hGRO-beta (100.00 ng/ml), a concentration of 0.5-1.0 µg/ml of this antibody has been used with previous lots) Indirect ELISA To detect hGRO-beta by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/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 hGRO-beta. Sandwich ELISA: To detect hGRO-beta by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with biotinylated anti-Human GRO-beta as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hGRO-beta. Western Blot To detect hGRO-beta 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 hGRO-beta is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hGRO-beta (human GRO-beta)
Specificity:	This antibody detects GRO-beta.
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Sterile filtered fraction, lyophilized
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized hGRO-beta matrix.
Conjugation:	Unconjugated



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. 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 2920 Human P19875
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.