



Anti-Human GRO-beta

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P21
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human GRO beta. Anti-human GRO beta specific antibody was purified by affinity chromatography employing immobilized human GRO beta matrix.

Target Background

Synonyms (Target):	TNFSF18; TL6; AITRL; GITRL; hGITRL
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All three isoforms of GRO are CXC chemokines that can signal through the CXCR1 or CXCR2 receptors. The GRO proteins chemoattract and activate neutrophils and basophils. Recombinant human GRO-β is a 7.9 kDa protein consisting of 73 amino acids including the 'ELR' motif common to the CXC chemokine family that bind to CXCR1 or CXCR2.

Database References Target

Protein RefSeq:	NP_002080.1
Uniprot ID:	P19875
mRNA RefSeq:	NM_002089.3

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant human GRO-beta
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Neutralisation: Data not available.

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.

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 a compatible secondary reagent as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hGRO-beta.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!