

C-X-C motif chemokine 1 (CXCL1), Mouse

Cat.no. PK0173

Product size: 5ug 25ug 1mg

Source: CHO

Species: Mouse

Biological Activity: Active at 10 ng/ml, measured in a tube formation assay using HUVEC cells.

Molecular Weight: 5-7 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE and HPLC.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Mouse CXCL1 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse CXCL1 should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Description: C-X-C motif chemokine 1 (CXCL1), also known as GRO1, MGSA and SCYB1, is a chemokine belonging to the intercrine alpha (Chemokine CXC) family. It is expressed mainly by macrophages, neutrophils and epithelial cells. GRO signals through chemokine receptor CXCR1 and CXCR2, and functions to chemoattract and activate neutrophils and basophils. It is also a hematoregulatory chemokine, which suppresses hematopoietic progenitor cell proliferation. GRO has also been reported to play a role in spinal cord development, angiogenesis, wound healing and tumorigenesis.

Amino Acid Sequence:

00001 APIANELRCQ CLQTMAGIHL KNIQSLKVLP SGPHCTQTEV

00041 IATLKNGREA CLDPEAPLVQ KIVQKMLKGV PK

Synonyms: CXCL1, GRO, GRO1, GROA, MGSA, SCYB1, Growth-regulated alpha protein, C-X-C motif chemokine 1, GRO-alpha, Melanoma growth stimulatory activity, MGSA, Neutrophil-activating protein 3, NAP-3, NAP3, GRO-α, GROα

Note: For research use only, not for use in diagnostic procedure.