

Code No. 18356

**Anti-Human  
GRO /MGSA (C) Rabbit IgG Affinity Purify**Volume : 100 µg  
Lot No : 9D-426

---

**Introduction** : GRO  $\alpha$ /MGSA as IL-8 family has the high homology with IL-8 in amino acid sequences. It is reported that it also has the similar configuration in 3D structural analysis and the almost same level of leukocyte chemotaxis with IL-8. Production from activated monocyte, fibroblast, epithelial and endothelial cells have been reported. In stomach mucosa infection of helicobacter pylori, gastritis and ulcer patients show significantly high level of IL-8 and GRO  $\alpha$  compared to non-infectious group. GRO  $\alpha$  is identified as a factor to promote melanoma cell propagation and is a polypeptide with 3 isoforms of  $\alpha$ ,  $\beta$ , and  $\gamma$ . GRO  $\alpha$  depresses the propagation of endothelial cells. As renal cancer has plenty of tumor blood vessels, it is important to identify the vascular formation factor and GRO  $\alpha$  is especially important in the formation of blood vessels.

**Antigen** : Synthetic peptide in portion of C-terminus of Human GRO $\alpha$ /MGSA

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from 1% BSA in PBS containing 0.05% NaN<sub>3</sub>

**How to use** : 1.0 ml distilled water will be added to the product

**Dilution** : PBS (pH7.4) containing 1% BSA

**Stability** : Lyophilized product, 5 years at 2 – 8  
: Solution, 2 years at –20

**Application** : This antibody can be stained in formalin fixed paraffin embedded tissues after trypsin pretreatment by several Immunohistochemical techniques such as Avidin Biotin Complex (ABC) method. The optimal dilution is about 5~10 µg/ml, however, the dilution rate should be optimized by each laboratories.  
: This antibody can be used for western blotting in concentration of about 2~5 µg/ml.

**Specificity** : Non-Crossreacts to Human GRO $\beta$ , Human IL-8, Human IP-10, Rat GRO/CINC-1, Rat GRO/CINC-2 $\alpha$ , Rat GRO/CINC-2 $\beta$  and Rat GRO/CINC-3.

**Reference** : 1. Kanda Y, Koike K, Sakamoto Y, Osako Y, Masuhara K, Watanabe K, Tsurufuji S, Hirota K, Miyake A. GRO-alpha in human serum: differences related to age and sex. Am J Reprod Immunol 1997, **38** : 33-38

---

*For Non-Clinical Research Use Only*

**IBL Co., LTD.** 5-1 Aramachi, Takasaki-Shi, Gunma, 370-0831, JAPAN  
TEL: +81 (0)27-310-8040 FAX: +81 (0)27-310-8045 URL: <http://www.ibl-japan.co.jp> E-Mail: [do-ibl@ibl-japan.co.jp](mailto:do-ibl@ibl-japan.co.jp)