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Product Name

Monoclonal Human anti-IL8 Immunoglobulin

CAT No.

MQR 2.4401

LOT No.

18313

Quantity

100 µg

Edition: September 11, 2019

Intended use

This product is for research use only. NOT for use in diagnostic or therapeutic procedures.

This product is tested for use in enzyme-linked immunosorbent assay (ELISA).

Reagent provided

The antibody is supplied in PBS.

Isotype

Human IgG1κ

Immunogen

Interleukin-8. Domain 28-99 of 99 (1-20 signal peptide, CPR 21-99).

Specificity

Specificity has been tested in ELISA (figure 1).

Purity

Protein A purified.

Disclaimer

The antibody is for R&D use only. NOT for use in diagnostic or therapeutic procedures.

Precautions

1. For professional users.
2. As with any product derived from biological sources, proper handling procedures should be used.
3. The product may be used in different techniques and in combination with different sample types and materials, therefore each individual laboratory should validate the applied test system.

Preparation of the antibody

Use antibody as supplied.

Storage/Stability

Store at -20°C. After first time use, store at 4°C. Avoid repeated freeze-thaw cycles.

Application guidelines

ELISA: 1:1000 – 1:5000

Other applications: since applications vary, optimum working dilution of the product should be determined in the appropriate assay.

Unless the stability in the actual test system has been established, it is recommended to dilute the product immediately before use.

Relevance

IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.¹

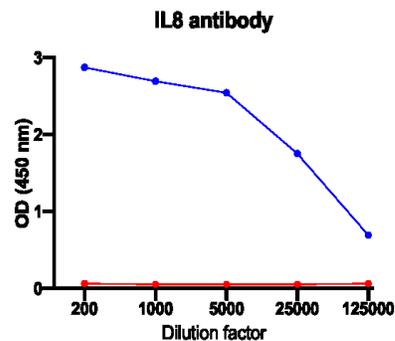


Figure 1: Specificity of anti-IL8 (MQR2.4401), determined by ELISA. Antibody stock 1.28 mg/ml diluted in PBS containing 0.05% tween-20 and 1% BSA was tested on human interleukin-8 (in blue) and non-target protein (in red).

References

- 1) <https://www.uniprot.org/uniprot/P10145>