

DM1023HRP**Monoclonal Antibody to Interleukin-8 / IL8 - HRP****Alternate names:**

CXCL8, Emotakin, GCP1, Granulocyte chemotactic protein 1, MDNCF, MONAP, Monocyte-derived neutrophil chemotactic factor, Monocyte-derived neutrophil-activating peptide, NAP1, Neutrophil-activating protein 1, Protein 3-10C, T-cell chemotactic factor

Quantity:

0.2 ml

Background:

IL8 is a member of the CXC chemokine family. This family of small basic heparan-binding proteins are proinflammatory and primarily mediate the activation and migration of neutrophils into tissue from peripheral blood. This chemokine is one of the major mediators of the inflammatory response and is secreted by several cell types in response to an inflammatory stimulus. It functions as a chemoattractant, and is also a potent angiogenic factor. IL8 attracts neutrophils, basophils, and T-cells, but not monocytes. Cystic fibrosis (CF) is characterized by severe lung inflammation. The inflammatory process is believed to be caused by massive overproduction of the proinflammatory protein IL8, and the high levels of IL8 in the CF lung are therefore believed to be the central mechanism behind CF lung pathophysiology.

Uniprot ID:

[P10145](#)

NCBI:

[NP_000575](#)

GeneID:

[3576](#)

Host / Isotype:

Mouse / IgG1

Clone:

I8-60

Immunogen:

Purified recombinant human IL-8 (monocyte-derive, 72-amino acid form)

Format:

State: Liquid purified IgG fraction

Purification: Affinity Chromatography on Protein G

Buffer System: 0.01M PBS, pH 7.0 ± 0.1 in 50% Glycerol and 0.01% thimerosal as a bacteriostat

Label: HRP – Horseradish Peroxidase

Applications:

ELISA: This HRP conjugated antibody can be used as a tracer antibody in sandwich ELISA applications for human IL-8 detection in combination with a monoclonal capture antibody (*Cat.-No* DM1022).

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes both, natural and recombinant IL-8.

No cross-reactivity with human monocyte chemotactic activating factor (MCP-1) or RANTES (Regulated on Activation, Normal T-cell Expressed, and Secreted)

Species: Human.

Other species not tested.

Storage:

Upon receipt, store (in aliquots) at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.