

ANTIGENIX AMERICA INC
1-800-558-1008
PRODUCT INFORMATION SUMMARY

Anti-IL 8

Purified Antibody	(Clone I8-S)	Product Number M800820	0.1 mg
Purified Antibody	(Clone I8-6)	Product Number M800920	0.1 mg

SPECIFICITY:

Human interleukin 8 (IL 8), a 8.5 kDa peptide produced by monocytes and lymphocytes. IL 8 exhibits chemoattractant and adhesion-inhibiting properties. Both clones react with native and recombinant human IL 8.

IMMUNOGLOBULIN CHAIN COMPOSITION:

IgG2b, kappa (clone I8-S)
IgG1, Kappa (clone I8-6)

SOURCE:

Murine ascites fluid.

CLONES:

Derived from hybridization of murine myeloma (SP2/0 or P3X3) cells with spleen cells from BALB/c mice immunized with purified, recombinant human interleukin 8 (monocyte derived, 72 amino acid species).

PURIFICATION METHOD: Protein A affinity chromatography.

RESEARCH APPLICATIONS:

Western Blot analysis.
Development of quantitative immunoassays;
Functional Neutralization (clone I8-6)
Immunoaffinity purification of IL 8
Identification of IL 8 in body fluids and tissue sections.

CHARACTERIZATION:

Enzyme immunoassay: Use Clone I8-S as capture MAAb, at dose of 0.3 ug/well. Use clone I8-6 as second antibody (biotinylated or directly conjugated for detection). ELISA with sensitivity of 2 pg/mL was achieved in our laboratory.

CROSS-REACTIVITY:

Cross-reactivity with other cytokines, including MCAF (Monocyte Chemotactic Activating Factor), was not observed in quality control testing.

NEUTRALIZING ACTIVITY:

Clones were tested in neutrophil chemotaxis assay and inhibited 75% of chemotactic effect of IL 8 on T cells at a concentration ratio of 10:1 (MAb:Ag). These clones have also demonstrated neutralizing ability from FACS study of calcium ion changes in human granulocytes.

HANDLING AND STORAGE:

Lyophilized, purified monoclonal antibody upon reconstitution with 0.2 ml of distilled water will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. Lyophilized reagents should be stored at -20° C until reconstitution. All reagents in a liquid state should be stored at 2-8° C when not in use. Purified anti-IL 8 is provided free of stabilizing agents and preservatives to facilitate conjugation and immediate use in functional and immunological assays.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the product label description.

RESEARCH USE ONLY - NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE