

Purified Anti-Human IL8 Antibody[G265-8]

catalog number: AN012990P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

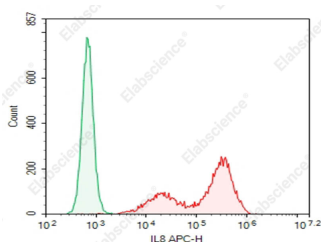
Reactivity	Human
Immunogen	Recombinant Human IL-8 protein
Host	Mouse
Isotype	Mouse IgG2b, κ
Clone	G265-8
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM $\leq 0.2 \mu\text{g}$ per million cells in 100 μL volume

Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Human IL8 gene were stained with 0.2 μg Purified Anti-Human IL8 Antibody[G265-8] (Right) and 0.2 μg Mouse IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Interleukin-8 (IL-8), also known as IL-8, GCP-1, and NAP-1, is a heparin-binding 8-9 kDa member of the alpha, or CXC family of chemokines. There are at least 15 human CXC family members that all adopt a three beta -sheet/one alpha -helix structure. Most CXC chemokines show an N-terminal Glu-Leu-Arg (ELR) tripeptide motif. IL-8 circulates as a monomer, homodimer, and heterodimer with CXCL4/PF4. The monomer is considered the most bio-active, while the heterodimer can potentiate PF4 activity. IL-8 oligomerization is modulated by its interactions with matrix and cell surface glycosaminoglycans (GAGs). Mature human IL-8 shares 65-69% amino acid (aa) identity with canine, feline, and porcine IL-8. There is no IL-8 gene counterpart in rodent.

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