Purified Anti-Mouse IL-6 Antibody[MP5-20F3]

catalog number: **E-AB-F1207A**

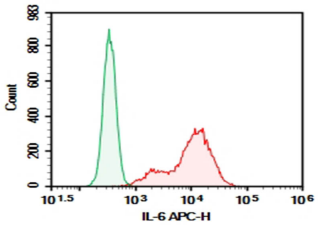
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Human IL-6 protein
Host	Rat
Isotype	Rat IgG1, κ
Clone	MP5-20F3
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	≤ 0.2 μg per million cells in 100 μL volume

Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Mouse IL-6 gene were stained with 0.2 μg Purified Anti-Mouse IL-6 Antibody[MP5-20F3] (Right) and 0.2 μg Rat IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Rat 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-6 (IL-6) is a pleiotropic, alpha -helical, phosphorylated and variably glycosylated cytokine that plays important roles in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. Mature mouse IL-6 is 187 amino acids (aa) in length that is typically expressed as a 22-28 kDA molecular weight protein. Mouse IL-6 shares 39% and 85% aa sequence identity with human and rat IL-6, respectively. Alternative splicing generates several isoforms with internal deletions, some of which exhibit antagonistic properties.

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