

## Purified Anti-Mouse IL-6 Antibody[MP5-20F3], Functional Grade

catalog number: E-AB-F12070

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

### Description

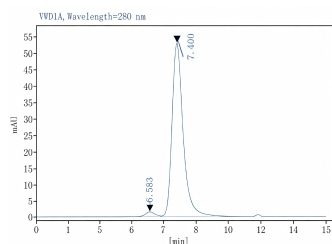
<b>Reactivity</b>	Mouse
<b>Immunogen</b>	Recombinant Human IL-6 protein
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG1, $\kappa$
<b>Clone</b>	MP5-20F3
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

### Applications

### Recommended Dilution

<b>FCM</b>	$\leq 0.2 \mu\text{g}$ per million cells in 100 $\mu\text{L}$ volume
<b>Neut</b>	Reported in the literature

### Data



Monomer purity  $\geq 95\%$  as determined by analytical size-exclusion chromatography (SEC)

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
<b>Shipping</b>	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.

None (Azide-Free, Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

### Application References

Hirotake Tsukamoto, et al. Nat Commun. 2015 Apr 7:6:6702.

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