

**Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6)  
Recombinant Antibody  
Catalog # APR10269**

**Specification**

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**Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P05231</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

**Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6) - Additional Information**

**Target/Specificity**

IL-6 / IFN $\beta$ 2

**Endotoxin**

< 0.001EU/  $\mu$ g,determined by LAL method.

**Conjugation**

Unconjugated

**Expression system**

CHO Cell

**Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6) - Protein Information**

**Name** IL6 ([HGNC:6018](#))

**Synonyms** IFNB2

**Function**

Cytokine with a wide variety of biological functions in immunity, tissue regeneration, and metabolism. Binds to IL6R, then the complex associates to the signaling subunit IL6ST/gp130 to trigger the intracellular IL6-signaling pathway (Probable). The interaction with the membrane-bound IL6R and IL6ST stimulates 'classic signaling', whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans- signaling'. Alternatively, 'cluster signaling' occurs when membrane- bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells (Probable).

**Cellular Location**

Secreted.

### Tissue Location

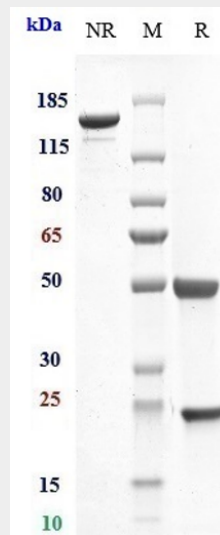
Produced by skeletal muscle.

### Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6) - Protocols

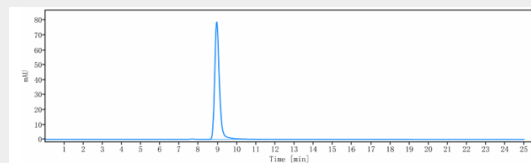
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

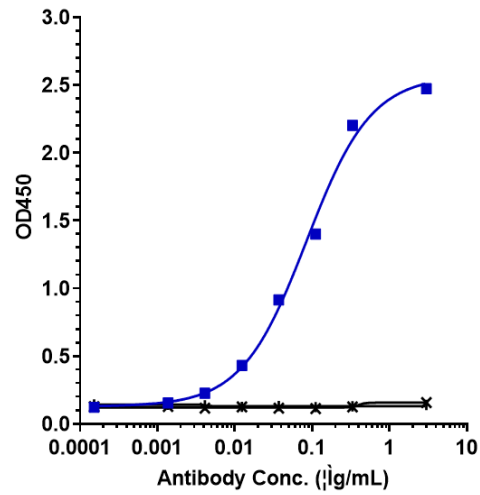
### Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6) - Images



Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6) is more than 95%, determined by SEC-HPLC.



Immobilized human IL-6 His at 2  $\mu\text{g/mL}$  can bind Anti-IL-6 / IFN $\beta$ 2 Reference Antibody (CSTRI patent anti-IL-6)  $\square$ EC50=0.0846  $\mu\text{g/mL}$