

## **Recombinant Rat IL-10**

Catalog # PBG10182

# **Specification**

### Recombinant Rat IL-10 - Product Information

#### Recombinant Rat IL-10 - Additional Information

# **Description**

IL-10 is an immunosuppressive cytokine produced by a variety of mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. IL-10 inhibits the expression of proinflammatory cytokines such as IL-1 and TNF $\alpha$ . Like IL-4, IL-10 enhances humoral immune responses and attenuates cell-mediated immune reactions. Human IL-10 active on murine cells, but murine IL-10 is inactive on human cells. Recombinant rat IL-10 is an 18.7 kDa protein of 160 amino acid residues.

# **Biological**Activity

The <strong>ED</strong><sub>50</sub> as determined by the dose-dependent inhibition of antigen-specific T cell proliferation is  $\le$ 10ng/ml.

# **Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

#### **Endotoxin**

Endotoxin level is  $<0.1 \text{ ng/} \mu\text{g}$  of protein ( $<1\text{EU/} \mu\text{g}$ ).

#### **Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

#### Storage

-20°C

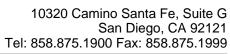
# **Precautions**

Recombinant Rat IL-10 is for research use only and not for use in diagnostic or therapeutic procedures.

# Recombinant Rat IL-10 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture





# **Recombinant Rat IL-10 - Images**