10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Recombinant Human IL-19
Catalog # PBG10206

Specification

Recombinant Human IL-19 - Product Information

Recombinant Human IL-19 - Additional Information

Description
IL-19 belongs to the IL-10 family of regulatory cytokines which includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. Members of this family share partial homology in their amino acid sequences but they are dissimilar in their biological functions. Preliminary data suggests that IL-19 is a proinflammatory cytokine because it up-regulates IL-6 and TNF-α and induces apoptosis through TNF-α. IL-19 signals through the type I IL-20R. Human and murine IL-19 share 71% amino acid sequence identity. Recombinant human IL-19 is a 17.9 kDa protein containing 153 amino acid residues. In solution IL-19 exists predominantly as a non-disulfide-linked dimer.

BiologicalActivity
Determined by its ability to activate STAT following receptor-ligand interaction.

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

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

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

Storage
-20°C

Precautions
Recombinant Human IL-19 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human IL-19 - 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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Recombinant Human IL-19 - Images