

TECHNICAL DATA SHEET

Recombinant Human IL-17A (Carrier-free)

Catalog Number: 21-8179

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

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Recombinant Human IL-17A (Carrier-free)

DESCRIPTION

IL-17A is elaborated and secreted by neutrophils and T lymphocytes expressing the Th17 lineage-specific transcription factor Retinoic acid receptor-related orphan receptor gamma-t. It is induced by IL-23. IL-17A is a cytokine that acts as a potent pro-inflammatory mediator that recruits monocytes and neutrophils to inflammatory sites much like Interferon gamma. IL-17 acts synergistically with other inflammatory mediators such as TNF-alpha and IL-1.

MOLECULAR MASS

This recombinant proteins is a disulfide-linked homodimer of two 137 amino acid polypeptide chains with 31.3 kDa molecular weight.

AMINO ACID SEQUENCE

MIVKAGITIP RNP GCPNSED KNFPRTVMVN LNIHNRNTNT NPKRSSDYNN RSTSPWNLHR NEDPERYPSV IWEAKCRHLG CINADGNVDY HMNSVPIQQE ILVLRREPPH CPNSFRLEKI LVSVGCTCVT PIVHHVA

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

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

ENDOTOXIN LEVEL

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

AUTHENTICITY

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

CROSS REACTIVITY

Mouse

BIOACTIVITY

Within a concentration range of 0.5-1.5 ng/ml, the ability to induce IL-6 production by NHDF cells is measured.

RESEARCH AREAS

AIDS/HIV, Angiogenesis & Cardiovascular, Immune System, Inflammation

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Rouvier E, MF Luciani, MG Mattéi, F Denizot and P Golstein 1993 J Immunol 150(12): 5445–5456.
Chiricozzi A, E Guttman-Yassky, M Suárez-Fariñas, KE Nogales, S Tian, I Cardinale, S Chimenti and JG Krueger 2011 J Invest Dermatol 131: 677-687.
Miossec P, T Korn, VK Kuchroo 2009 N Engl J Med 361:888–898. Kolls JK and A Lindén 2004 Immunity 21(4): 467–76.

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