

TECHNICAL DATA SHEET

Recombinant Mouse IL-17A

Catalog Number: 21-8171

RPx-Pro™ Recombinant Protein PRODUCT INFORMATION

CONTENTS

Recombinant Mouse IL-17A

DESCRIPTION

IL-17A is a member of the IL-17 family of cytokines and plays an important role in anti-bacterial responses. IL-17A exists as either a homodimer or as a heterodimer with IL-17F. Elevated levels of IL-17A are associated with several autoimmune diseases such as rheumatoid arthritis, multiple sclerosis, psoriasis, and asthma.

MOLECULAR MASS

Recombinant Mouse IL-17A is a 30.0 kDa disulfide-linked homodimer of two 133 amino acid polypeptide chains.

AMINO ACID SEQUENCE

AAIIPQSSA CPNTEAKDFL QNVKVNLIKVF NSLGAKVSSR RPSDYLNRSST SPWTLHRNED PDRYPSVIWE AQCRHQRCVN AEG-KLDHHMN SVLIQQEILV LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA

SOURCE

E. Coli

PROTEIN CONTENT

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

PURITY

98 %

ENDOTOXIN LEVEL

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

AUTHENTICITY

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

CROSS REACTIVITY

Rat

BIOACTIVITY

Measured by its ability to induce IL-6 production by NIH 3T3 cells.

APPLICATIONS

Bioassay

RESEARCH AREAS

AIDS/HIV; Angiogenesis/Cardiovascular; Immune System; Inflammation

STORAGE

-20°C

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. Yao Z, M Timour, S Painter, W Fanslow, and M Spriggs 1996 Gene 168(2):223-225. Witowski J, K Ksiazek, and A Jörres 2004 Cell Mol Life Sci 61(5):567-579. Liang SC, XY Tan, DP Luxenberg, R Karim, K Dunussi-Joannopoulos, M Collins, and LA Fouser 2006 J Exp Med 203(10):2271-2279.

NOTE: Please choose the appropriate format for each application. Citations are provided as a convenience to you; please consult Materials and Methods sections for additional details about the use of any product in these publications.

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