

TECHNICAL DATA SHEET

Recombinant Human IL-17E (IL-25) (Carrier-free)

Catalog Number: 21-8736

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human IL-17E (IL-25) (Carrier-free)

DESCRIPTION

IL-17E, also known as IL-25, belongs to the IL-17 family of immunoregulatory cytokines which are secreted as homodimers. Unlike other IL-17 family members, IL-17E promotes Th2 biased immune responses. IL-17E is mainly produced by Th2 cells and recruits eosinophils to lung tissue. IL-17E is an important mediator of allergic reactions and provides protection against intestinal parasites.

MOLECULAR MASS

Recombinant human IL-17E is a 33.8 kDa disulfide-linked homodimer of two 145 amino acid polypeptide chains.

AMINO ACID SEQUENCE

MYSHWPSCCP SKGQDTSEEL LRWSTVPVPP LEPARPNRHP ESCRASEDGP LNSRAISPWR YELDRDLNRL PQDLYHARCL
CPHCVSLQGT SHMDPRGNSE LLYHNQTVFY RRPCHGEKGT HKGYCLERRL YRVSLACVCV RPRVMG

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE

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

BIOACTIVITY

Determined by its ability to induce IL-8 in human PBMCs using a concentration range of 10-100 ng.

RESEARCH AREAS

Inflammation

RECONSTITUTION

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

REFERENCES

Iwakura Y, Ishigame H, Saijo S and Nakae S. 2011. *Immunity*. 34(2): 149-162. Hurst SD, Muchamuel T, Gorman DM, Gilbert JM, Clifford T, Kwan S, Menon S, Seymour B, Jackson C, Kung TT, Brieland JK, Zurawski SM, Chapman RW, Zurawski G and Coffman RL. 2002. *J Immunol*. 169(1): 443-453. Dong C. 2008. *Immunol Rev*. 226: 80-86. Fort MM, Cheung J, Yen D, Li J, Zurawski SM, Lo S, Menon S, Clifford T, Hunte B, Lesley R, Muchamuel T, Hurst SD, Zurawski G, Leach MW, Gorman DM and Rennick DM. 2001. *Immunity*. 15(6): 985-995..

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