

TECHNICAL DATA SHEET

Recombinant Mouse C-10 (CCL6) (Carrier-Free)

Catalog Number: 21-9135

RPx-Pro™ Recombinant Protein PRODUCT INFORMATION

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Recombinant Mouse C-10 (CCL6) (Carrier-Free)

DESCRIPTION

Mouse C10 belongs to the CC chemokine family and is expressed in myelopoietic bone marrow cultures when stimulated with GM-CSF, M-CSF, IL-3 or IL-4. It signals primarily through the CCR1 receptor. C10 is chemotactic for B cells, CD4+ T cells, monocytes and NK cells and also exhibits powerful suppressive activity on colony formation by different lineages of hematopoietic progenitors. The C10 contains the four highly conserved cysteine residues present in CC chemokines. The mature protein contains 95 amino acid residues.

MOLECULAR MASS

Recombinant Mouse C-10 is a 10.7 kDa protein containing 95 amino acid residues.

AMINO ACID SEQUENCE

GLIQEIEKED RRYNPPIIHQ GFQDTSDDCC FSYATQIPCK RFIYYFPTSG GCIKPGIIFI SRRGTQVCAD PSDRRVQRCL STLKQGPRSG NKVIA

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 (<1EU/μg).

AUTHENTICITY

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

CROSS REACTIVITY

Bacteria, Human, Mouse

BIOACTIVITY

Determined by its ability to chemoattract Balb/c mouse spleen MNCs using a concentration range of 10.0-100.0 ng/ml.

RESEARCH AREAS

Immune System, Wound Healing, Chemotaxis

RECONSTITUTION

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

REFERENCES

Bahar, M.W. Structure and function of A41, a vaccinia virus chemokine binding protein. 2008. PLoS Pathogens; 4(1):e5. Nunez, V. Retinoid X receptor alpha controls innate inflammatory responses through the up-regulation of chemokine expression. 2010. Proceedings of the National Academy of Sciences of the USA; 107(23):10626-31.

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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