

For Research Use Only

Recombinant Mouse Ccl11 protein (rFc Tag)



Catalog Number: Eg2400

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse Ccl11 protein His24-Pro97 (Accession# P48298) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

20292

Accession:

P48298

Predicted Molecular Mass:

35.2 kDa

SDS-PAGE:

37-45 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CCL11 also named Eotaxin, was initially discovered as an eosinophil-specific chemoattractant. CCL11 plays a central role in both allergic and non-allergic inflammatory reactions by recruiting immune cells such as eosinophils, basophils and Th2 lymphocytes. CCL11 binds to the chemokine receptors CCR2, CCR3 and CCR5, with highest affinity to CCR3. High levels of CCL11 have been described in several chronic inflammatory diseases, such as allergic rhinitis, atopic dermatitis, asthma, gastrointestinal disease and rheumatoid arthritis.

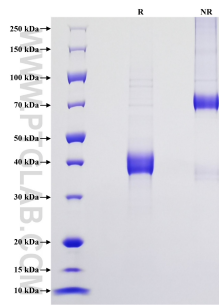
References

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2. Ye J. et al. (2000) J Biol Chem. 275(35):27250-7.
3. Kitauro M. et al. (1996) J Biol Chem. 271(13):7725-30.
4. Kokkonen H. et al. (2010) Arthritis Rheum. 62(2):383-91.
5. Clin Immunol et al. (2014) Clin Immunol. 153(1):199-208.
6. Wu D. et al. (2019) J Asthma. 51(8):847-54.

Synonyms

C-C motif chemokine 11, Eosinophil chemotactic protein, Eotaxin, Scya11, Small-inducible cytokine A11

Selected Validation Data



Purity of Recombinant Mouse Ccl11 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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