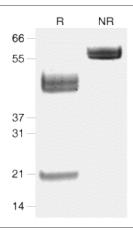


Mouse IL-23 Recombinant Protein Carrier-Free

Catalog Number: 34-8231

Also Known As:Interleukin-23, IL23, p40, p19

RUO: For Research Use Only. Not for use in diagnostic procedures.



Under non-reducing SDS-PAGE conditions, the heterodimeric cysteine-linked Mouse IL-23 Recombinant Protein Carrier-Free migrates as a 60 kDa protein (Lane NR). Under DTT-reducing conditions it migrates as 43 kDa and 21 kDa polypeptides (Lane R).

Product Information

Contents: Mouse IL-23 Recombinant Protein Carrier-Free

REF Catalog Number: 34-8231

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in sterile envrionment.

Source: Insect cells infected with baculovirus: mouse p40, amino acids met 1-ser 355, accession # NM_008352 was co-expressed with mouse p19, amino acids met 1-ala 196, accession # AF301619

Molecular Mass: The heterodimer of p40, amino acids met 23-ser 355, cystine-linked to p19, amino acids leu 20-ala 196, has a predicted molecular mass of 55,616. On non-reducing SDS-PAGE the heterodimeric cystine-linked protein migrates as a 60 kDa protein. The DTT reduced protein migrates as 43 kDa and 21 kDa polypeptides.

Purity: > 98% as determined by SDS-PAGE

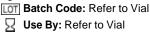
Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: The ED50 of this protein, as measured by IL-17A induction in mouse splenocytes, is less than or equal to 625 pg/mL. This corresponds to a specific activity of greater than 1.5 x 10e6 Units/mg.

Formulation: Sterile liquid; 20mM Phosphate, 0.2M NaCl, pH 6, 0.22 um filtered.



Temperature Limitation: Store at less than or equal to -70°C.



Description

Applications Reported

Mouse IL-23 Recombinant Protein Carrier-Free has been reported for use in cytokine bioassays.

Applications Tested

The ED50 of this protein, as measured by IL-17A induction in mouse splenocytes, is less than or equal to 625 pg/ml. This corresponds to a specific activity of greater than 1.5 x 10e6 Units/mg.

References

Brombacher, F., et al. 2003. Novel IL-12 family members shed light on the orchestration of Th1 responses. Trends Immunol. 24: 207-212. Oppmann, B., et al. 2000. Novel p19 protein engages IL-12p40 to form a cytokine, IL-23, with biological activities similar as well as distinct from IL-12. Immunity. 13: 715-725.

Aggarwal, S., et al. 2003. IL-23 promotes a distinct CD4 T cell activation state characterized by the production of IL-17. J. Biol. Chem. 278: 1910-1914.

Related Products

88-7231 Mouse IL-23 (Interleukin-23, IL23) ELISA Ready-SET-Go! Kit (with Pre-Coated Plates) 88-7234 Mouse IL-23 ELISA Ready-SET-Go!® (Discontinued: Please see 88-7230 (2nd generation assay)) 88-7921 Mouse IL-12 (Interleukin-12, IL12) p70 ELISA Ready-SET-Go! Kit (See replacement item BMS6004)

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