

**Datasheet for 010-001-315****MIP-1 alpha Mouse Recombinant Protein****Overview**

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| <b>Description:</b>  | MIP-1 $\alpha$ Mouse Recombinant Protein - 010-001-315 |
| <b>Item No.:</b>     | 010-001-315                                            |
| <b>Size:</b>         | 10 $\mu$ g                                             |
| <b>Applications:</b> | SDS-PAGE                                               |
| <b>Origin:</b>       | Mouse                                                  |
| <b>Expressed in:</b> | E. coli                                                |

**Product Details**

|                           |                                                                                                                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>        | Recombinant Mouse Macrophage Inflammatory Protein-1 alpha produced in E. coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7820 Daltons.                                    |
| <b>Synonyms:</b>          | Mouse Macrophage Inflammatory Protein-1-alpha, CCL3 cytokine, C-C motif chemokine 3, Small-inducible cytokine A3, Macrophage inflammatory protein 1- $\alpha$ , MIP-1-alpha, TY-5, SIS-alpha, Heparin-binding chemotaxis protein, L2G25B |
| <b>Species of Origin:</b> | Mouse                                                                                                                                                                                                                                    |
| <b>Expressed in:</b>      | E. coli                                                                                                                                                                                                                                  |
| <b>Type:</b>              | Recombinant Protein                                                                                                                                                                                                                      |
| <b>Low Endotoxin:</b>     | Yes                                                                                                                                                                                                                                      |

**Target Details**

|                            |                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | Ccl3                                                                                                                |
| <b>Purity/Specificity:</b> | Purity was determined to be greater than 95% by analysis by RP-HPLC and by reducing and non-reducing SDS-PAGE.      |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">NCBI</a></li><li>• <a href="#">UniProtKB - P10855</a></li></ul> |

## Application Details

|                             |                                                                                                                                                                                                                                                                                                                                        |
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| <b>Tested Applications:</b> | SDS-PAGE                                                                                                                                                                                                                                                                                                                               |
| <b>Application Note:</b>    | MIP-1 $\alpha$ protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-MIP-1 $\alpha$ in immunological assays.                                                                                                                                                                              |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                        |
| <b>Other:</b>               | <p>Biological Activity: Mouse Macrophage Inflammatory Protein-1 is fully biologically active when compared to standard. The activity is calculated by the ability to chemoattract of Balb3/C splenocytes using 1-10 ng/ml.</p> <p>Endotoxin Level: Measured by LAL is &lt;0.01ng/<math>\mu</math>g or &lt;0.1EU/<math>\mu</math>g.</p> |

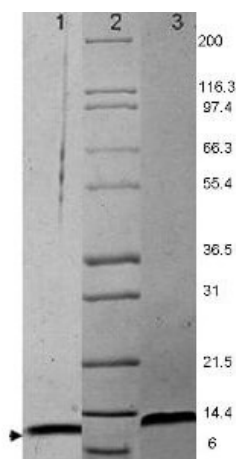
## Formulation

|                               |                                              |
|-------------------------------|----------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                  |
| <b>Concentration:</b>         | 0.1 mg/mL by UV absorbance at 280 nm         |
| <b>Buffer:</b>                | 0.1% Trifluoroacetic acid                    |
| <b>Preservative:</b>          | None                                         |
| <b>Stabilizer:</b>            | None                                         |
| <b>Reconstitution Volume:</b> | 10 $\mu$ l (10-100 $\mu$ l)                  |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent) |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature. |
| <b>Expiration:</b>         | Expiration date is six (6) months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Images



#### SDS-PAGE

SDS-PAGE shows bands corresponding to MIP-1a (1 $\mu$ g) in lane 1 (unreduced, arrowhead) and lane 3 (reduced).

Molecular weight estimation was made by comparison to prestained MW markers, lane 2.

## Disclaimer

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