

Human MIP-3 β Antibody

Polyclonal Antibody

Product Information

Product No.: M183

RRID: AB_2831367

Storage: -20° to -70°C

Product Description

Specificity:

Rabbit Anti-Human Macrophage Inflammatory Protein-3 Beta (MIP-3 β) recognizes Human MIP-3 β . This antigen affinity purified polyclonal antibody was purified using a proprietary chromatographic technique that includes covalently immobilizing the antigen proteins or peptides to agarose based beads. This purification method enhances specificity, reduces nonspecific binding of extraneous IgG and provides you with the most reliable reagent available for your early discovery research.

Background:

Macrophage inflammatory protein-3 β (MIP-3 β) is a non-glycosylated polypeptide and member of the B-chemokine (C-C) family of cytokines. It plays an important role in the inflammatory response of human T cells and tissue macrophages. MIP-3 β is a potential chemoattractant for endometrial natural killer cells.¹ It may be important in trafficking of T cells in thymus, and T cell and B cell migration to secondary lymphoid organs.²

Known Reactivity Species:

Human

Format:

Antigen Affinity Purified

Immunogen:

Purified Recombinant Human MIP-3 β (>98%)

Formulation

This antigen affinity purified polyclonal antibody has been 0.2 μ m filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.4 containing 5.0% w/v trehalose with no calcium, magnesium, or preservatives present.

Endotoxin

<0.1 EU/ μ g as determined by the LAL method

Storage and Stability

The lyophilized antigen affinity purified polyclonal antibody can be stored desiccated at -20°C to -70°C for twelve months from date of receipt. The reconstituted antibody can be stored for at least four weeks at 2-8°C. For long-term storage of the reconstituted antibody, aseptically aliquot into working volumes and store at -20°C to -70°C in a manual defrost freezer.

Avoid Repeated Freeze Thaw Cycles. No detectable loss of activity was observed after six months.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

ELISA Sandwich: This antibody is useful as the capture antibody in a sandwich ELISA. The suggested coating concentration is 0.2 - 0.8 µg/ml. A suitable detection antibody is PN:M198 at a concentration of approximately 200 ng/ml. A suggested standard for this assay is PN:M168.

Western Blotting: To detect Human MIP-3β this polyclonal antibody can be used at a concentration of 1 µg/ml. This polyclonal antibody should be used in conjunction with compatible second-step reagents such as PN:G505 and a chromogenic substrate such as PN:T343. The detection limit for Human MIP-3β is 5 ng/lane under either reducing or non-reducing conditions. The sensitivity of detection may increase up to 50 fold when a chemiluminescent substrate is used. A suitable Western blotting control is PN:M168.

Other Applications Reported in Literature:

Neutralization: This antibody is useful for neutralization of Human MIP-3β bioactivity. The antibody dose required to neutralize 50% (ND50) of the biological activity of Human MIP-3β (at 0.05 ng/ml) is 2 - 10 µg/ml.

Country of Origin

USA

References

- 1) Honjo, H. et al. (2004) Fertil Steril. 1: 876
- 2) Broxmeyer, HE. et al. (1998) J Immunol. 160: 2418