Enabling Science through Innovation

Technical Data Sheet

Anti-Human/Mouse MCP-1 (CCL2) SAFIRE Purified

Catalog Number :80111-25

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

Product Information

Clone: 2H5

Format/Conjugate: SAFIRE Purified

Concentration: 1 mg/mL

Reactivity: Human, Mouse, Rat

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Armenian Hamster IgG

Formulation: Phosphate-buffered aqueous solution, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC, FA, Neutralization

Description

The 2H5 monoclonal antibody specifically reacts with mouse, rat, human MCP-1 (Monocyte Chemoattractant Protein-1), also known as CCL2 and MCAF (Monocyte Chemotactic and Activating Factor). MCP-1 is a C-C (beta) chemokine that regulates cytokine production in monocytes and the expression of adhesion molecules. The 2h5 antibody can neutralize the bioactivity of recombinant or natural MCP-1.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

1.Luo, Y., Laning, J., Hayashi, M., Hancock, P. R., Rollins, B., Dorf, M. E. (1994). Serologic analysis of the mouse beta chemokine JE/monocyte chemoattractant protein-1.;The Journal of immunology,;153(8), 3708-3716.

2. Bost, K. L., Bento, J. L., Petty, C. C., Schrum, L. W., Hudson, M. C., Marriott, I. (2001). Monocyte chemoattractant protein-1 expression by osteoblasts following infection with Staphylococcus aureus or Salmonella.Journal of Interferon Cytokine Research,;21(5), 297-304.

3. Taal, M. W., Chertow, G. M., Rennke, H. G., Gurnani, A., Jiang, T., Shahsafaei, A., ... Mackenzie, H. S. (2001). Mechanisms underlying renoprotection during renin-angiotensin system blockade.;American Journal of Physiology-Renal Physiology,;280(2), F343-F355.