Technical Data Sheet

InVivoMAb anti-mouse/human/rat CCL2 (MCP-1)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

Lot Specific Information

Lot Number: **Lot Specific***
Volume: **Lot Specific***
Concentration: **Lot Specific* (generally 4 to 11 mg/ml) ***
Total Protein: **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	**BE0185**
Clone:	**2H5**
Isotype:	Armenian Hamster IgG, κ
Recommended Isotype Control(s):	InVivoMAb polyclonal Armenian hamster IgG
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	CHO-expressed mouse MCP-1
Reported Applications:	*in vivo* CCL2 neutralization Immunohistochemistry (frozen)
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/µg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtered
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_10950302
Molecular Weight:	150 kDa

Description

The 2H5 antibody reacts with mouse, human, and rat CCL2 also known as monocyte chemoattractant protein 1 (MCP-1). CCL2 is a 13 kDa chemokine that is produced mainly by monocytes/macrophages but is also expressed by endothelial, fibroblasts, epithelial, smooth muscle, mesangial, astrocytic, and microglial cells. It can be expressed constitutively or after induction by oxidative stress, cytokines, or growth factors. CCL2 regulates the migration and infiltration of monocytes, memory T lymphocytes, and NK cells and is implicated in the pathogeneses of several diseases characterized by monocytic infiltrates, such as multiple sclerosis, psoriasis, rheumatoid arthritis, and atherosclerosis. The 2H5 antibody has been shown to neutralize the biological effects of CCL2 in vivo.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration

experiment.

Application References

For a complete list of references, visit https://bioxcell.com/be0185?bxcs=9k1b3a#tab_references or scan the QR code below.

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