

# 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,  $\kappa$   
**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:** <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
**Purity:** >95%  
Determined by SDS-PAGE  
**Sterility:** 0.2  $\mu$ m filtered  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_10950302](https://abnova.com/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 pathogenesis 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/catalogsearch/result/?q=BE0185#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0185#tab_references) or scan the QR code below.



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*Not for resale.*

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