



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-CCR2 [AbAb-CCR2] Bulk Size Ab02444-23-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2a Fc Silent™ antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** AbAb-CCR2

**Alternative Name(s) of Target:** CD192; C-C chemokine receptor type 2; C-C CKR-2; CC-CKR-2; CCR-2; Monocyte chemoattractant protein 1 receptor; MCP-1-R; JE/FIC receptor; CMKBR2

**UniProt Accession Number of Target Protein:** P51683

**Published Application(s):** Block, FC

**Published Species Reactivity:** Mouse

**Immunogen:** The original antibody was generated by immunizing rats with CHO cells stably transfected with mouse CCR2.

**Specificity:** This antibody specifically binds mouse CCR2 and does not cross react with mouse CCR5 or human CCR2 and CCR5. CCR2 is a key functional receptor for CCL2 but can also bind CCL7 and CCL12 chemokines. Its binding with CCL2 on monocytes and macrophages mediates chemotaxis and migration. It regulates the expression of T-cell inflammatory cytokines and T-cell differentiation, promoting the differentiation of T-cells into T-helper 17 cells (Th17) during inflammation.

**Application Notes:** This antibody can be used to detect mouse CCR2 expressed on the surface of CHO cells and mouse peripheral blood leukocytes using flow cytometry. This antibody is capable of reducing the activity of murine monocyte chemotactic protein 1 in a manner similar to the well characterized anti-CCR2 antibody MC-21. This antibody can prevent the influx of monocytes in thioglycolate-induced peritonitis. This antibody is also capable of blocking the binding of mouse CCR2 with its ligand in vitro and in vivo. The blockade of CCR2 with this antibody also impairs monocytes/macrophage recruitment in vivo. This antibody can be used to determine the role of chemokine receptor CCR2 during initiation and progression of collagen induced arthritis in mice using blocking antibodies. This antibody is capable of abolishing long-term behavioral recovery after ischemic stroke and drastically decreased tissue expression of anti-inflammatory genes, including TGFβ, CD163, and Ym1.

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.