

## Mouse Chemokine C-C-Motif Receptor 7 (CCR7) ELISA Kit-Sandwich

**Cat. No.:** EK5F680

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Mouse Chemokine C-C-Motif Receptor 7 (CCR7) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse CCR7 in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Mouse Chemokine C-C-Motif Receptor 7 (CCR7).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.17-10 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

### Target Information

C-C chemokine receptor type 7 (CCR7) serves as a receptor for the MIP-3-beta chemokine. It plays a critical role in guiding lymphocytes from the bloodstream to lymph nodes and other secondary lymphoid organs by binding to ligands like CCL19 and CCL21. In CCR7-deficient mice, there is an impaired ability to effectively transport T cells and dendritic cells (DCs) to lymph nodes, leading to abnormal development and function of lymphoid organs. Moreover, CCR7 plays a role in the migration and localization of thymocytes, particularly facilitating the movement of positively selected single-positive thymocytes from the thymic cortex to the medulla.

Target/Biomarker	Mouse CCR7
Target Synonym	CD197; CCR7; BLR2; CDw197; CMKBR7; EBI1; Epstein-Barr Virus Induced Protein 1; EBV-induced G-protein coupled receptor 1; MIP-3 beta receptor
Gene ID	<a href="#">12775</a>

**Shipping and Storage**

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.