

Mouse Cluster of Differentiation (CD163) ELISA Kit-Sandwich

Cat. No.: EK5F776

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Cluster of Differentiation (CD163) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse CD 163 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 Cluster of Differentiation (CD163).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	31.25-2000 pg/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

Scavenger receptor cysteine-rich type 1 protein M130 (CD163) plays a crucial role in the uptake and endocytosis of hemoglobin/haptoglobin complexes by macrophages, which helps protect tissues from oxidative damage caused by free hemoglobin. It is also involved in iron uptake and recycling by endocytosing hemoglobin/haptoglobin and breaking down heme. This key immune-related protein is instrumental in regulating macrophage functions, inflammatory responses, and contributing to the tumor microenvironment. Predominantly expressed by macrophages, CD163 is essential for clearing hemoglobin-hemocyanin complexes and participates in various processes related to immune regulation and inflammation.

Target/Biomarker	Mouse CD163
Target Synonym	M130; MM130; Scavenger receptor cysteine-rich type 1 protein M130; Hemoglobin scavenger receptor
Gene ID	93671

Shipping and Storage

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

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.