



Recombinant Protein Technical Manual

Recombinant Mouse MARCO Protein (His Tag)

RPES1122

Product Data:

Product SKU: RPES1122

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q60754

Protein Information:

Molecular Mass: 46.2 kDa

AP Molecular Mass: 55-65 kDa

Tag: N-His

Bio-activity:

Purity: > 90% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Macrophage receptor MARCO; Marco; Macrophage receptor with collagenous structure;Ly112;Scara2

Immunogen Information:

Sequence: Gln70-Ser518

Background:

MARCO (macrophage receptor with collagenous structure) is an 80 kDa type II transmembrane glycoprotein that belongs to the class Ascavenger receptor family. Mouse MARCO consists of a 48 amino acid (aa) cytoplasmic domain, a 21 aa transmembrane segment, and a 449 aa extracellular domain (ECD) that includes a stalk region, a collagenlikeregion, and one SRCR domain. MARCO is constitutively expressed on the surface of splenic and lymph node macrophages. MARCO binds LPS, lipoteichoic acid, and otherdeterminants on Gram positive and Gram negative bacteria. It also binds modified LDL, CpG oligonucleotides, UGRP1, silica, and TiO2.