

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MARCO in direct ELISAs and Western blots. In direct ELISA, approximately 10% cross-reactivity with recombinant mouse MARCO is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human MARCO Met79-Val520 Accession # Q9UEW3
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

MARCO (Macrophage receptor with collagenous structure; also scavenger receptor class A member 2/SR-AII) is a 65-70 kDa pattern recognition receptor/PRR that belongs to class A of the SR family, SRCR superfamily of molecules. It is expressed by macrophages, monocytes and Kupffer cells, and apparently binds to a number of microbes, including Gram+ bacteria (Staph and Strep) and Gram- bacteria (Neisseria and coliforms), plus crystalline silica. Human MARCO is a 520 amino acid (aa) type II transmembrane glycoprotein. It contains a 43 aa cytoplasmic region and a 456 aa extracellular domain/ECD (aa 65-520). The ECD possesses one collagen-like region (aa 147-419) and an SRCR domain (aa 424-519). Human MARCO is believed to form trimers and/or multimers, and these are likely noncovalent associations. Over aa 79-520, human and mouse MARCO share 70% aa sequence identity.

PRODUCT SPECIFIC NOTICES

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