

Anti-MARCO [PLK1] Standard Size Ab01384-13.12

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG3 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG4-S228P, Kappa

Clone Number: PLK1

Alternative Name(s) of Target: SCARA2; macrophage receptor MARCO; macrophage receptor with collagenous structure; scavenger receptor class A member 2; PLK-1; PLK 1

UniProt Accession Number of Target Protein: Q9UEW3

Published Application(s): flow cytometry, IP, WB, IF, IHC-Fr

Published Species Reactivity: Human

Immunogen: The antibody was raised by immunising BALB/c mice with human alveolar macrophages (AMs) and subsequent creation of hybridomas.

Specificity: This antibody recognises the extracellular domain V between residues 420 and 431 in MARCO both in human and bovine samples.

Application Notes: The specificity of this antibody was confirmed in an IF experiment where the antibody stained alveolar macrophages for MACRO (Arredouani et al., 2005). Tissue samples prepared in acetone and paraformaldehyde were also successfully immunohistochemically stained (Arredouani et al., 2005; Martens et al., 2006). The antibody was also capable of weak staining of alveolar macrophages in flow cytometry (Palecanda and Kobzik, 2001). In IP experiments, the antibody immunoprecipitates MARCO from lysates obtained from COS cells transfected with human MARCO (Arredouani et al., 2005).

Antibody First Published in: Arredouani et al. MARCO Is the Major Binding Receptor for Unopsonized Particles and Bacteria on Human Alveolar Macrophages J Immunol November 1, 2005, 175 (9) 6058-6064
[PMID:16237101](#)

Note on publication: The article describes the method of generation of anti-MARCO PKL1 antibody and its effectiveness in IHC, IP and functional experiments.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.