



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Mouse MARCO (Macrophage Receptor With Collagenous Structure) Class A Scavenger Receptor

Monoclonal antibody ED31 recognises the murine cell surface antigen designated MARCO (Macrophage receptor with collagenous structure), which is a member of the class A scavenger receptor family. MARCO is expressed by distinct populations of macrophages in the spleen and lymph nodes, but is rapidly induced on macrophages in other tissues (e.g. Kupffer cells in the liver) during infection or LPS treatment.

Product Number:	T-2026
Clone:	ED31
Host species, isotype:	Rat IgG1
Quantity:	200µg
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: 2µg/ml (1:200) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: Mouse spleen.
Immunogen:	CHO cells expressing MARCO
Antigen, epitope:	ED31 binds to the C-terminal cysteine rich domain of MARCO, and has been shown to block ligand binding.



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Specificity:

Mouse: MARCO (Macrophage receptor with collagenous structure).

Other species: not tested.

Selected references

van der Laan, L.J.W. et al.: Regulation and functional involvement of macrophage scavenger receptor MARCO in clearance of bacteria in vivo. *J. Immunol.* 162: 939-47 (1999)

van der Laan, L.J.W. et al.: Macrophage scavenger receptor MARCO: in vitro and in vivo regulation and involvement in the anti-bacterial host defense. *Immunol. Letters* 57: 203-208 (1997)

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.