

Anti-porcine VCAM [3F4] Standard Size Ab01173-1.1

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

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 3F4

Alternative Name(s) of Target: pVCAM

UniProt Accession Number of Target Protein: F1S567

Published Application(s): Blocking, ELISA, FC

Published Species Reactivity: Pig

Immunogen: This antibody was raised by immunising BALB/c mice with a recombinant secreted form of porcine VCAM.

Specificity: This antibody is specific for an epitope within domain 2 of porcine VCAM, which is expressed on activated endothelial cells. It does not cross-react with human VCAM.

Application Notes: The ability of this antibody to recognise porcine VCAM has been confirmed in ELISA analysis (Mueller et al, 1995). In FC analysis, this antibody reacts with porcine VCAM on TNF-α stimulated porcine aortic endothelial cells, but not to human VCAM on TNF-α stimulated human umbilical vein endothelial cells (Mueller et al, 1995). This antibody blocks VLA-4 dependent adhesion of peripheral blood human T cells to activated porcine aortic endothelial cells (Mueller et al, 1995). It also inhibits the binding of Ramos cells to a recombinant secreted form of porcine VCAM (Mueller et al, 1995).

Antibody First Published in: Mueller et al. Porcine vascular cell adhesion molecule (VCAM) mediates endothelial cell adhesion to human T cells. Development of blocking antibodies specific for porcine VCAM Transplantation, 1995, Vol.60(11), pp.1299-306 [PMID:8525525](#)

Note on publication: Describes the original generation of this antibody, and its characterisation in ELISA and FC analysis.

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.