

SM10APC**Mouse IgG1 Isotype Control (not for use on rats) - APC****Quantity:** 100 Tests**Host / Isotype:** Mouse / IgG1**Clone:** W3/25**Format:** **State:** Lyophilized purified IgG fraction
Purification: Ion Exchange Chromatography
Buffer System: PBS, pH 7.4
Preservatives: 0.09% Sodium Azide
Stabilizers: 1% BSA, 5% Sucrose
Label: APC
Reconstitution: Restore with 1.0 ml distilled water.**Applications:** **Flow Cytometry.**

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody is negative control is negative by flow cytometry on all human cells and cell lines tested. Further tests have also shown that this reagent is also suitable for use as a negative control with bovine (Maslanka et al, 2012), ovine, porcine (Kapetanovic et al, 2012), equine (Jacks et al, 2007), canine (Maiolini et al, 2012), lapine (Pakandl et al, 2008) and guinea-pig tissues. This reagent recognizes a rat cell surface marker, and therefore cannot be used as a negative control in this species.**Species:** Test results have shown that SM10APC is also suitable for use as a negative control with bovine, ovine, porcine, equine, canine, lapine and guinea-pig tissues. Other species not tested.**Storage:** Store the antibody undiluted at 2-8°C.**DO NOT FREEZE.**

This product is photosensitive and should be protected from light.

Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf life: one year from despatch.

General Readings:

1. Kupatt C, Habazettl H, Hanusch P, Wichels R, Hahnel D, Becker BF, et al. c7E3Fab reduces postischemic leukocyte-thrombocyte interaction mediated by fibrinogen. Implications for myocardial reperfusion injury. *Arterioscler Thromb Vasc Biol.* 2000 Oct;20(10):2226-32. PubMed PMID: 11031208.
2. Dalli J, Norling LV, Renshaw D, Cooper D, Leung KY, Perretti M. Annexin 1 mediates the rapid anti-inflammatory effects of neutrophil-derived microparticles. *Blood.* 2008 Sep 15;112(6):2512-9. doi: 10.1182/blood-2008-02-140533. Epub 2008 Jul 1. PubMed PMID: 18594025.
3. Barratt-Due A, Thorgersen EB, Lindstad JK, Pharo A, Lissina O, Lambris JD, et al. Ornithodoros moubata complement inhibitor is an equally effective C5 inhibitor in pigs and humans. *J Immunol.* 2011 Nov 1;187(9):4913-9. doi: 10.4049/jimmunol.1101000. Epub 2011 Sep 30. PubMed PMID: 21964028.

4. Kapetanovic R, Fairbairn L, Beraldi D, Sester DP, Archibald AL, Tuggle CK, et al. Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. *J Immunol.* 2012 Apr 1;188(7):3382-94. doi: 10.4049/jimmunol.1102649. Epub 2012 Mar 5. PubMed PMID: 22393154.
5. Maiolini A, Carlson R, Tipold A. Toll-like receptors 4 and 9 are responsible for the maintenance of the inflammatory reaction in canine steroid-responsive meningitis-arteritis, a large animal model for neutrophilic meningitis. *J Neuroinflammation.* 2012 Sep 27;9:226. doi: 10.1186/1742-2094-9-226. PubMed PMID: 23016675.
6. Maślanka T, Jaroszewski JJ, Markiewicz W, Ziółkowski H, Barski D. The presence of CD25 on bovine WC1+ gammadelta T cells is positively correlated with their production of IL-10 and TGF-beta, but not IFN-gamma. *Pol J Vet Sci.* 2012;15(1):11-20. PubMed PMID: 22708352.
7. Pakandl M, Hlásková L, Poplstein M, Neveceralová M, Vodicka T, Salát J, et al. Immune response to rabbit coccidiosis: a comparison between infections with *Eimeria flavescens* and *E. intestinalis*. *Folia Parasitol (Praha).* 2008 Mar;55(1):1-6. PubMed PMID: 18578161.
8. Jacks S, Giguère S, Crawford PC, Castleman WL. Experimental infection of neonatal foals with *Rhodococcus equi* triggers adult-like gamma interferon induction. *Clin Vaccine Immunol.* 2007 Jun;14(6):669-77. Epub 2007 Apr 4. PubMed PMID: 17409222.