

**AM05883PU-N**      **Monoclonal Antibody to CD11R3 - Purified**

<b>Quantity:</b>	0.25 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	AM03095PU-N
<b>Clone:</b>	2F4/11
<b>Immunogen:</b>	Porcine alveolar macrophages
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Affinity chromatography on Protein G <b>Buffer System:</b> Phosphate buffered saline pH 7.4 0.09% Sodium Azide
<b>Applications:</b>	Immunohistochemistry on frozen sections. Western blot: detects a band of approximately 155 kDa in alveolar macrophage lysates under reducing conditions. Immunoprecipitation. Flow cytometry: 1:25 - 1:50. Functional assays: Clone 2F4/11 is reported to block phagocytosis of complement-opsinised zymosan particles by polymononuclear granulocytes and alveolar macrophages (1). Removal of sodium azide is recommended prior to use. Positive control: Porcine spleen. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises porcine CD11R3, a 155kD cell surface marker which is a member of the alpha integrin family. CD11R3 has a similar expression pattern to the human CD11b marker, being expressed on granulocytes, monocytes and alveolar macrophages, but not on lymphocytes, erythrocytes or platelets. <b>Species:</b> Pig. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Bullido R, Alonso F, Gómez del Moral M, Ezquerro A, Alvarez B, Ortuño, et al. Monoclonal antibody 2F4/11 recognizes the alpha chain of a porcine beta 2 integrin involved in adhesion and complement mediated phagocytosis. J Immunol Methods. 1996 Sep 9;195(1-2):125-34. PubMed PMID: 8814327. 2. Domínguez J, Alvarez B, Alonso F, Thacker E, Haverson K, McCullough K, et al. Workshop studies on monoclonal antibodies in the myeloid panel with CD11 specificity. Vet Immunol Immunopathol. 2001 Jul 20;80(1-2):111-9. PubMed PMID: 11445222. 3. Sánchez-Torres C, Gómez-Puertas P, Gómez-del-Moral M, Alonso F, Escribano JM,

Ezquerria A, et al. Expression of porcine CD163 on monocytes/macrophages correlates with permissiveness to African swine fever infection. Arch Virol. 2003 Dec;148(12):2307-23. Epub 2003 Sep 16. PubMed PMID: 14648288.

4. Van de Walle GR, Favoreel HW, Nauwynck HJ, Mettenleiter TC, Pensaert MB. Transmission of pseudorabies virus from immune-masked blood monocytes to endothelial cells. J Gen Virol. 2003 Mar;84(Pt 3):629-37. PubMed PMID: 12604815.

5. Alvarez B, Doménech N, Alonso F, Sánchez C, Gómez del Moral M, Ezquerria A, et al. Molecular and functional characterization of porcine LFA-1 using monoclonal antibodies to CD11a and CD18. Xenotransplantation. 2000 Nov;7(4):258-66. PubMed PMID: 11081760.