

## Monoclonal Antibody to MHC Class II DQ - Supernatant

<b>Catalog No.:</b>	SM495
<b>Quantity:</b>	2 ml
<b>Background:</b>	The Major Histocompatibility Complex (MHC) is a cluster of genes that are important in the immune response to infections. In pigs, this is referred to as the Swine Leukocyte Antigen (SLA) region. There are 3 major MHC class II proteins encoded by the SLA which are SLA DP, SLA DQ and SLA DR.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	K274.3G8
<b>Immunogen:</b>	Porcine peripheral blood lymphocytes. Spleen cells from immunised mouse were fused with cells of the P3-X63-Ag.653 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid Tissue Culture Supernatant <b>Preservatives:</b> 0.09% Sodium Azide <b>Stabilizers:</b> 5-10% foetal calf serum
<b>Applications:</b>	<b>Immunohistochemistry on Frozen Sections:</b> 1/5-1/30. <b>Immunohistochemistry on Paraffin Sections:</b> 1/5-1/30. <b>Flow Cytometry:</b> 1/5-1/30. Use 50µl of the suggested working dilution to label $1 \times 10^6$ peripheral blood lymphocytes in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Clone K274.3G8 recognizes SLA DQ molecules which are expressed on all B cells, antigen presenting cells and on certain subsets of resting and activated T cells.
<b>Species Reactivity:</b>	<b>Tested:</b> Pig. Cross reacts with Bovine.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Lunney, J.K. (1993) Characterisation of swine leucocyte differentiation antigens. <i>Immunology Today</i> 14: 147. 2. Brodersen R, Bijlsma F, Gori K, Jensen KT, Chen W, Dominguez J, et al. Analysis of the immunological cross reactivities of 213 well characterized monoclonal antibodies with specificities against various leucocyte surface antigens of human and 11 animal species. <i>Vet Immunol Immunopathol.</i> 1998 Jun 30;64(1):1-13. PubMed PMID: 9656427. 3. Sarradell J, Andrada M, Ramírez AS, Fernández A, Gómez-Villamandos JC, Jover A, et al. A morphologic and immunohistochemical study of the bronchus-associated lymphoid tissue of pigs naturally infected with <i>Mycoplasma hyopneumoniae</i> . <i>Vet Pathol.</i> 2003 Jul;40(4):395-404. PubMed PMID: 12824511.

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