

Monoclonal Antibody to SLA CLASS II DR - Purified

Alternate names: MHC Class II DR

Catalog No.: AM05887PU-N

Quantity: 0.25 mg

Concentration: 1.0 mg/ml

Host / Isotype: Mouse / IgG2b

Recommended Isotype Controls: SM12P, AM03110PU-N

Clone: 2E9/13

Immunogen: Porcine monocytes

Format: **State:** Liquid Ig fraction

Purification: Affinity chromatography on Protein G

Buffer System: Phosphate buffered saline pH 7.4, 0.09% Sodium Azide

Applications: Immunohistochemistry on frozen sections.
Immunoprecipitation: The antibody immunoprecipitates a heterodimer composed of two polypeptides of 28 and 35kD from NP-40 extracts of biotin surface-labelled porcine peripheral blood mononuclear cells.
Flow Cytometry: 1/10, use 10 µl of the suggested working dilution to 1x10⁶ cells in 100 µl.
Functional assays: Clone 2E9/13 is reported to inhibit the mixed lymphocyte reaction and T cell stimulation induced by African swine fever virus and staphylococcal enterotoxin B (1). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody is specific for porcine MHC class II DR molecules (SLA-II DR). Porcine SLA-II molecules are expressed on all B cells, on antigen presenting cells and on certain subsets of resting and activated T cells.

This clone reacts with lymphocytes from all outbred and miniature pigs so far tested, suggesting that it recognises a monomorphic determinant of porcine SLA-II DR.

Species: Pig, Bovine.

Other species not tested.

Storage: 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.

General Readings: 1. Bullido R, Doménech N, Alvarez B, Alonso F, Babín M, Ezquerro A, et al. Characterization of five monoclonal antibodies specific for swine class II major histocompatibility antigens and crossreactivity studies with leukocytes of domestic animals. Dev Comp Immunol. 1997 May-Jun;21(3):311-22. PubMed PMID: 9258612.