

Monoclonal Anti-SLA ABd (Porcine Class I Major Histocompatibility Antigen), Clone 74-11-10 (purified IgG, produced *in vitro*)

Catalog No. NR-29062

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For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG2bk

Mouse monoclonal antibody prepared against the Class I Swine Leukocyte Antigens (SLA) ABd was purified from clone 74-11-10 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/0-Ag14 mouse myeloma cells with splenocytes from BALB/c mice that had been immunized with thymocytes from dd miniature swine.¹ Clone 74-11-10 is specific for a polymorphic class I MHC determinant expressed on SLA A and B heavy chains of the d haplotype.^{1,2} The antibody cross-reacts on SLAa class I antigens but not on SLAc.²

Material Provided:

Each vial of NR-29062 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-29062 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. NR-29062 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

NR-29062 is reported to be cytotoxic, to function in flow cytometry assays, and to immunoprecipitate polypeptides of 44 and 12 kilodaltons.^{1,2}

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-SLA ABd (Porcine Class I Major Histocompatibility Antigen), Clone 74-11-10 (purified IgG, produced *in vitro*), NR-29062."

Biosafety Level: 1

Appropriate safety procedures should always be used with

this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Pescovitz, M. D., et al., "Preparation and Characterization of Monoclonal Antibodies Reactive with Porcine PBL." J. Immunol. 133 (1984): 368-375. PubMed: 6609988.
2. Ivanoska, D., et al., "Production of Monoclonal Antibodies Reactive with Polymorphic and Monomorphic Determinants of SLA Class I Gene Products." Immunogenetics 33 (1991): 220-223. PubMed: 1901297.

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