

**Monoclonal Anti-Ferret CD4 Antigen,
Clone fCD4-3.1.5 (produced *in vitro*)**

Catalog No. NR-53741

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG1k

Mouse monoclonal antibody prepared against the ferret CD4 antigen was purified from clone fCD4-3.1.5 hybridoma supernatant using protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/mIL-6 mouse myeloma cells with splenocytes from BALB/c mice immunized with ferret CD4 protein.^{1,2}

Material Provided:

Each vial of NR-53741 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg/mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-53741 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

NR-53741 is reported to function in ELISA and flow cytometry assays.^{1,2,3}

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Ferret CD4 Antigen, Clone fCD4-3.1.5 (produced *in vitro*), NR-53741."

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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Sant, A., Personal Communication.
2. DiPiazza, A. T., et al. "Flow Cytometric and Cytokine ELISpot Approaches to Characterize the Cell-Mediated Immune Response in Ferrets following Influenza Virus Infection." *J. Virol.* 90 (2016): 7991-8004. PubMed: 27356897.
3. DiPiazza, A. T., et al. "Analyses of Cellular Immune Responses in Ferrets Following Influenza Virus Infection." *Methods Mol. Biol.* 1836 (2018): 513-530. PubMed: 30151589.

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