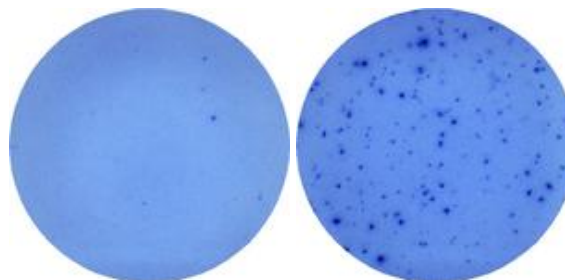


Product Information

Contents: Biotin anti-mouse interleukin-5 (IL-5)
Catalog Number: 13-7051
Sizes: 50 ug, 500 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
Clone: TRFK4
Isotype: Rat IgG2a, κ



Naive mouse splenocytes (SJL/J strain) were stimulated with 2 ug/ml ConA in HL-1 media for 48 hours (right well) in a mouse IL-5 ELISPOT assay plate (pre-coated with functional grade TRFK5 antibody). Left well is medium alone control.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
13-7051	Biotin anti-mouse IL-5 (Interleukin-5)	N/A	N/A	ELISA det ELISPOT
14-7051	Affinity Purified anti-mouse IL-5 (Interleukin-5)	N/A	N/A	ELISA

Description

The TRFK4 antibody reacts with mouse interleukin-5 (IL-5), also known as BCDF-α and eosinophil differentiation factor (EDF). This 15-20 kDa cytokine is secreted by Th2 cells and exists as a homodimer.

Usage

For research use only, not for diagnostic or therapeutic use. TRFK4 has been reported for use in detection of mouse IL-5 by ELISA.

Applications Tested

The TRFK4 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of mouse Interleukin-5 (IL-5) in combination with the purified TRFK5 (14-7052) antibody for capture and recombinant mouse IL-5 (14-8051) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5-2 µg/ml. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/ml - 8 pg/ml should be included in each ELISA plate.

Related Products

Cat. 00-0000	eBioscience 10X ELISA Coating Buffer
Cat. 44-2404	Nunc MaxiSorp™ flat-bottom 96 well plate
Cat. 18-4100	Avidin Horse Radish Peroxidase (AV-HRP)
Cat. 00-4202	eBioscience ELISA Diluent Solution, 5X
Cat. 00-4203	Super AquaBlue ELISA Substrate
Cat. 14-7052	Affinity Purified anti-mouse/human IL-5 (Interleukin-5) (clone TRFK5)
Cat. 14-8051	Recombinant Mouse IL-5 (Interleukin-5)

References

Abrams, J. S., M. G. Roncarolo, et al. (1992). "Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples." *Immunol Rev* 127: 5-24.

Schumacher, J. H., A. O'Garra, et al. (1988). "The characterization of four monoclonal antibodies specific for mouse IL-5 and development of mouse and human IL-5 enzyme-linked immunosorbent." J Immunol 141(5): 1576-81.

Copyright © 2000-2005 eBioscience, Inc.
Product For Research Use Only: Not for further distribution without written consent.

