

IL-5 Monoclonal Antibody (39D10), Biotin

Product Details

Size	250 µg
Species Reactivity	Human
Host/Isotype	Rat / IgG2a
Class	Monoclonal
Type	Antibody
Clone	39D10
Conjugate	Biotin
Immunogen	Recombinant human IL-5
Form	Liquid
Concentration	0.5 mg/mL
Purification	Caprylic acid precipitation
Storage buffer	PBS with 4% BSA
Contains	proprietary Preservative
Storage conditions	-20°C
RRID	AB_223573

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-

Product Specific Information

M550B targets IL-5 in ELISA, and WB applications and shows reactivity with Human samples.

The M550B immunogen is recombinant human IL-5.

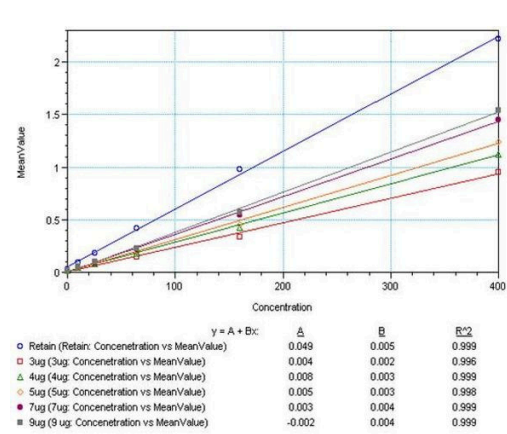
M550B detects IL-5 which has a predicted molecular weight of approximately 13 kDa.

This antibody is produced by injecting Rat IgG secreting hybridoma cells into the peritoneum of mice. The resulting ascites is collected from the mice and the antibody is purified.

The M550B IL1b antibody (biotinylated conjugate of clone 39D10) has successfully been paired as the detection antibody in a sandwich ELISA with capture antibody M551 (clone 5A10). Typical dilutions for sandwich ELISA include 1 µg/mL for coating and 0.125 - 0.25 µg/mL for detection.

Biotinylated antibody M550B (clone 39D10) and antibody M551 (clone 5A10) have successfully been used in combination with recombinant IL5 protein SIL5 in ELISA applications.

Product Images For IL-5 Monoclonal Antibody (39D10), Biotin



IL-5 Antibody (M550B) in ELISA

Sandwich ELISA analysis of human IL-5 was performed by coating wells of a 96-well plate with 110 µL of a human IL-5 monoclonal antibody (Product # M551) in duplicate at 1, 2, 4, 5, 7, and 9 µg/mL for at least 12 hours. The plate was blocked with a proprietary blocking solution for 1-4 hours at room temperature, and 50 µL of mouse IL-5 recombinant protein (Product # SMIL5) was added in replicates of twelve at 400, 160, 64, 25.6, 10.24, and 0pg/mL for 1 hour at room temperature. The plate was washed and incubated 50 µL of a biotinylated IL-5 monoclonal antibody (Product # M550B) was added to all test wells at 0.5 µg/mL for 1 hour at room temperature. The plate was washed, then incubated with 100 µL per well of Streptavidin-HRP (Product # N504) at a 1:10,000 dilution for 30 minutes at room temperature. Detection was performed with 100 µL per well of Ultra TMB substrate (Product # 34028) for 30 minutes at room temperature in the dark. The plate was then stopped with 0.16M sulfuric acid. Absorbances were read on a spectrophotometer at 450-550 nm.

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