

L-Thyroxine T4 Monoclonal Antibody (T4YCH)

Product Details	
Size	1 mg
Species Reactivity	Chemical
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	T4YCH
Conjugate	Unconjugated
Immunogen	Thyroxine-BSA
Form	Liquid
Concentration	1 mg/mL
Storage conditions	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C
RRID	AB_11154075

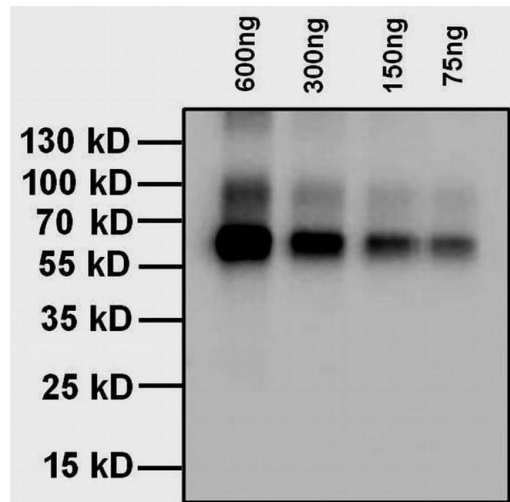
Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	-
ELISA (ELISA)	1 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	-
Radioimmune Assays (RIA)	Assay-dependent	-

Product Specific Information

MIT0501 targets in ELISA, Western Blot, IP, and RIA applications and shows reactivity with Chemical samples.

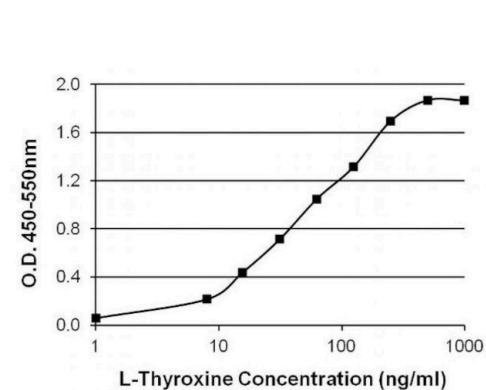
MIT0501 was formerly sold as a Seradyn product.

Product Images For L-Thyroxine T4 Monoclonal Antibody (T4YCH)



L-Thyroxine T4 Antibody (MIT0501) in WB

Western blot analysis of L-Thyroxine was performed by loading 600 ng, 300 ng, 150 ng and 75 ng of a Thyroxine-BSA conjugate and 10 μ L PageRuler Plus Prestained Protein Ladder (Product # 26619) per well onto a 4-20% Tris-Glycine polyacrylamide gel. Proteins were transferred to a nitrocellulose membrane using the G2 Fast Blotter (Product # 62288) and blocked with 5% milk in TBST for at least 1 hour at room temperature. L- Thyroxine was detected at ~62 kD using a L- Thyroxine monoclonal antibody antibody (Product # MIT0501 (T4YCH clone8)) at a dilution of 1 μ g/mL in 5% milk in TBST overnight at 4C on a rocking platform, followed by a goat anti-mouse IgG-HRP Superclonal secondary antibody (Product # A28177) at a dilution of 1:5000 for at least 1 hour. Chemiluminescent detection will be performed using SuperSignal West Dura (Product # 34078).



L-Thyroxine T4 Antibody (MIT0501) in ELISA

Direct ELISA analysis of L-Thyroxine was performed by coating wells of a 96-well plate with 100 μ L per well of L-Thyroxine-bsa conjugated protein diluted in carbonate/bicarbonate buffer (Product # 28382), starting at a concentration of 1000pg/mL and serially diluting 2-fold to a concentration of 15.6pg/mL, overnight at 4C. Wells of the plate were washed, blocked with StartingBlock blocking buffer (Product # 37538), and incubated with 100 μ L per well of a mouse anti-L- Thyroxine (T4YCH Clone8) monoclonal antibody (Product # MIT0501) at a concentration of 1 μ g/mL for 1 hour at 37C. The plate was washed, then incubated with 100 μ L per well of a goat anti-mouse HRP-conjugate antibody (Product # 31730) at a dilution of 1:5000 for 30 minutes at room temperature. Detection was performed using 1-Step Ultra TMB substrate (Product # 34028) for 10 minutes at room temperature in the dark. The reaction was stopped with 0.16 M sulfuric acid, and absorbances were read on a spectrophotometer at 450-550 nm.

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