



Mouse anti-Thyroxine Monoclonal antibody, clone 2I2 (DMAB4399)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to Human Thyroxine (T4)
Specificity	Thyroxine (T4). Reacts with T4-BSA conjugate and with free thyroxine in ELISA. Cross-reactivity with triiodothyronine is <1%.
Immunogen	Purified thyroxine with BSA
Isotype	IgG1
Source/Host	Mouse
Clone	2I2
Affinity Constant	Not determined
Purification	90% pure. Protein A chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	3.0mg/ml (OD280nm, E0.1% = 1.4)
Size	1 mg
Buffer	PBS, pH 7.4

Preservative 0.1% Sodium Azide

Storage Store at 2-8°C.

BACKGROUND

Introduction Hormone produced by the thyroid glands to regulate metabolism by controlling the rate of oxidation in cells. Cases of hypothyroidism, where the gland is insufficiently active, can be treated by administration of thyroxine or a combination of thyroxine and triiodothyronine.

Keywords T4; Thyroxine; 3,5,3',5'-tetraiodothyronine; beta-[(3,5-diiodo-4-hydroxyphenoxy)-3,5-diiodophenyl]alanine; L-3,5,3',5'-tetraiodothyronine L-t4; o-(4-hydroxy-3,5-diiodophenyl)-3,5-diiodo-L-tyrosine; o-(4-hydroxy-3,5-diiodophenyl)-3,5-diiodotyrosine; t4(hormone); tetraiodothyronine; thx; thyreoideum; thyroxin; thyroxinal; β -[(3,5-Diiodo-4-hydroxyphenoxy)-3,5-diiodophenyl]alanine; 3,5,3",5"-TETRAIODO-L-THYRONINE; 3,3",5,5"-TETRAIODO-L-THYRONIN; 3,3",5,5"-TETRAIODO-L-THYRONINE; 3,3",5,5"-TETRAIODO-L-THYRONINE SODIUM SALT; LEVOTHYROXINE; L-THYROXIN; L-THYROXINE; L-THYROXINE NA; L-THYROXINE SODIUM; L-2-amino-3-[4-(4-hydroxy-3,5-diiodo-phenoxy)-3,5-diiodo-phenyl]-propanoic acid; THYROXINE; O-(4-HYDROXY-3,5-DIIODOPHENYL)-3,5-DIIODO-L-TYROSINE; T4; TETRAIODOTHYRONINE, NA; (S)-2-AMINO-3-[4-(4-HYDROXY-3,5-DIIODOPHENOXY)-3,5-DIIODOPHENYL]PROPIONIC ACID; T4; DL-thyroxin; L-THYROXINE CELL CULTURE TESTED; L-Tyrosine, O-(4-hydroxy-3,5-diiodophenyl)-3,5-diiodo-2-amino-3-[4-(4-hydroxy-3,5-diiodo-phenoxy)-3,5-diiodo-phenyl]-propanoic acid; L-Tyrosine, O-(4-hydroxy-3,5-diiodophenyl)-3,5-diiodo- (9CI); NSC 36397; Thyrax; Thyroxine, L-(8CI); TETRADIODOTHYRONINE; tetraiodothyronine; 3-[4-(4-Hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]-L-alanine; Henning; Thyroxine-13C6; 3,3 μ ,5,5-Tetraiodo-L-thyronine, T4, 3-[4-(4-Hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]-L-alanine; L-Thyroxine, 97+%; Thyroxine Also see: T425601; 3,3',5,5'"-Tetraiodo-L-thyronine 3-[4-(4-Hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]-L-alanine diiodophenyl]-L-alanine; L-Thyroxine ,98%; Levothyroxine (500 mg)L0D2260.994mg/mg(dr); L-Thyroxine-[L-Tyr-2H5] hydrochloride; L-Thyroxine-[L-Tyr-ring-13C6] hydrochloride