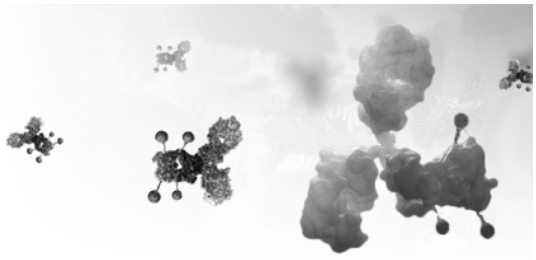

Anti-T. gondii chimeric monoclonal antibody, clone B24I2F5 (CABT-L2401)

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

PRODUCT INFORMATION

Product Overview	It is a Mouse/Human chimeric monoclonal antibody produced in transgenic mice by replacing the mouse sequence of the heavy chain constant region (IgM, IgG or IgA loci) by the corresponding human sequence. After immunization with the antigen of interest, generated antibody clones are cultivated by standard hybridoma techniques. They consist of the human constant region of the heavy chain, mouse variable region of the heavy chain and mouse light chain. The human constant region of the heavy chain can be directly recognized by the anti-human conjugate, which is used in numerous in vitro diagnostic assays.
Specificity	This antibody recognizes Toxoplasma gondii
Target	T. gondii
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Virus
Clone	B24I2F5
Purification	Unpurified
Conjugate	Unconjugated
Applications	ELISA
Preparation	The antibody has been generated in transgenic mice whose sequence for the IgM heavy chain constant region is replaced by the corresponding human sequence. After immunization of mice, a hybridoma cell line has been established. The antibody is produced industrially by standard

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	hybridoma cell line techniques under sterile conditions. The antibody is presented in cell culture supernatant.
Format	Liquid
Size	1 ml
Buffer	This cell culture supernatant is supplied in Iscove's Modified Dulbecco's Medium (IMDM), supplemented with 5% FBS, 1% L-Glutamine, 1% Penicillin/Streptomycin, 50 μM 2-Mercaptoethanol.
Preservative	0.09% Sodium Azide
Storage	2–8 °C. Do not use if turbid.
Ship	Wet ice

BACKGROUND

Introduction	Toxoplasma gondii is a species of parasitic protozoa in the genus Toxoplasma. The definitive host of T. gondii is the cat, but the parasite can be carried by many warm-blooded animals (birds or mammals, including humans). Toxoplasmosis, the disease of which T. gondii is the causative agent, is usually minor and self-limiting but can have serious or even fatal effects on a fetus whose mother first contracts the disease during pregnancy or on an immunocompromised human or cat. Around a third of people worldwide carry the parasite, with most catching it by consuming undercooked meat, especially lamb, pork and venison or by ingesting water, soil or anything contaminated by cat faeces. Recent studies have indicated an influence of T gondii on suicidal behaviours in humans.
Keywords	Toxoplasma gondii;Sarcocystidae;Toxoplasmatinae;Toxoplasma;T. gondii

GENE INFORMATION

Synonyms	Toxoplasma gondii; Sarcocystidae; Toxoplasmatinae; Toxoplasma; T. gondii

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