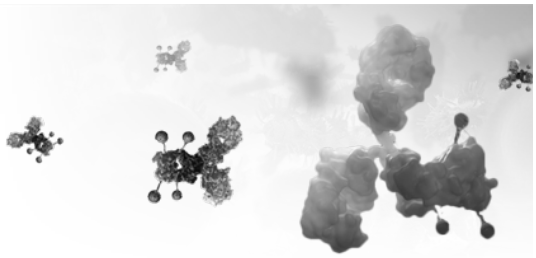

Rabbit Anti-microbial protransglutaminase (pro-MTG/pro-BTG) polyclonal antibody (CABT-CS185)

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

PRODUCT INFORMATION

Product Overview	Polyclonal antibody to microbial protransglutaminase (pro-MTG, pro-BTG)
Immunogen	Bacterial protransglutaminase (full length protein) from Streptomyces mobaraensis recombinantly produced in E. coli.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Streptomyces mobaraensis
Purification	Purified
Conjugate	Unconjugated
Applications	IA Optimal dilutions should be determined by the end user.
Format	Lyophilized.
Size	200 µg
Buffer	The antibody is lyophilized from 300 µL 0.02 M Tris-HCl buffer pH 8.0, 0.028 M NaCl, 2 mg/mL human serum albumin, azide free.
Preservative	None
Storage	Store at -80°C. If storage at -80°C is not possible, storage at ≤ -20°C is recommended. Stable for short

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

	term at +4°C.
Ship	Wet ice

BACKGROUND

Introduction	Microbial transglutaminase (MTG or synonymous BTG for bacterial transglutaminase) was discovered in the late 1980ies by screening 5,000 microorganisms. The aim was the constant supply of a cheap and stable transglutaminase for food applications. The microorganism Streptomyces mobaraensis (formerly known as Streptoverticillium mobaraense) turned out to produce a calcium independent transglutaminase with the desired properties. MTG is produced as an inactive proenzyme (zymogen) with a signal sequence for its secretion to the fermentation broth. Subsequently, proteolytic cleavage of the 45 amino acid propeptide with Proteases TAMP and TAP yields active MTG
Keywords	Microbial transglutaminase; bacterial transglutaminase; transglutaminase; BTG; MTG; Microbial pro-transglutaminase; bacterial pro-transglutaminase

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