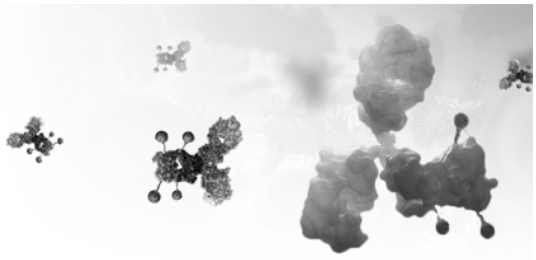

Anti-Human tissue TransGlutaminase chimeric monoclonal antibody, clone H5B0 (CABT-L2432)

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 directed against tissue transglutaminase. [Associated with celiac disease.]
Target	Human tissue TransGlutaminase
Isotype	IgA
Source/Host	Mouse
Species Reactivity	N/A
Clone	H5B0
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Buffer	Purified format supplied in 20mM HEPES, pH7.4, 250mM NaCl, 10% Glycerol Supernatant supplied in IMDM, 10% fetal bovine serum (FBS), 1% penicillin – streptomycin, 1%

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

	sodium pyruvate, 1% non essential aminoacids, 50 μM β mercaptoethanol
Preservative	0.09% Sodium Azide
Storage	2–8 °C
Ship	Wet ice

BACKGROUND

Introduction	Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene.
Keywords	TGM2; transglutaminase 2; TG2; TGC; GNAH; HEL-S-45; G-ALPHA-h; protein-glutamine gamma-glutamyltransferase 2; TG(C); TGase C

GENE INFORMATION

Synonyms	TGM2; transglutaminase 2; TG2; TGC; GNAH; HEL-S-45; G-ALPHA-h; protein-glutamine gamma-glutamyltransferase 2; TG(C); TGase C

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