



# Anti-Human threonyl-tRNA synthetase(PL-7) chimeric monoclonal antibody, clone G2B7 (CABT-L2421)

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.

<b>Specificity</b>	This antibody react with human PL-7
<b>Target</b>	Human threonyl-tRNA synthetase(PL-7)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	G2B7
<b>Purification</b>	Purified.Purity>95%
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IEP, WB
<b>Format</b>	Liquid

<b>Buffer</b>	Purified format supplied in 20mM HEPES, pH7.4, 250mM NaCl, 10% Glycerol Supernatant supplied in IMDM, 10% FCS, 1% protein-free stabilizer
<b>Preservative</b>	None
<b>Storage</b>	at -70°C or below. Repeated freeze/thaw cycles should be avoided.

## BACKGROUND

<b>Introduction</b>	TARS (threonyl-tRNA synthetase) is a protein-coding gene. Diseases associated with TARS include antisynthetase syndrome, and follicular mucinosis, and among its related super-pathways are Cytosolic tRNA aminoacylation and Generic Transcription Pathway. GO annotations related to this gene include protein homodimerization activity and threonine-tRNA ligase activity. An important paralog of this gene is TARS2.
<b>Keywords</b>	TARS;threonyl-tRNA synthetase;threonine--tRNA ligase, cytoplasmic;threonine tRNA ligase 1;cytoplasmic;threonine tRNA ligase 1, cytoplasmic;threonyl-tRNA synthetase, cytoplasmic;ThrRS;MGC9344;

## GENE INFORMATION

<b>Synonyms</b>	TARS; threonyl-tRNA synthetase; threonine--tRNA ligase, cytoplasmic; threonine tRNA ligase 1; cytoplasmic; threonine tRNA ligase 1, cytoplasmic; threonyl-tRNA synthetase, cytoplasmic; ThrRS; MGC9344;
<b>UniProt ID</b>	<a href="#">P26639</a>