



Anti-Human threonyl-tRNA synthetase(PL-7) chimeric monoclonal antibody, clone G4D2 (CABT-L2422)

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 react with human PL-7
Target	Human threonyl-tRNA synthetase(PL-7)
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	G4D2
Purification	Purified.Purity>95%
Conjugate	Unconjugated
Applications	IEP, WB
Format	Liquid

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

BACKGROUND

Introduction	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.
Keywords	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

Synonyms	TARS; threonyl-tRNA synthetase; threonine--tRNA ligase, cytoplasmic; threonine tRNA ligase 1; cytoplasmic; threonine tRNA ligase 1, cytoplasmic; threonyl-tRNA synthetase, cytoplasmic; ThrRS; MGC9344;
UniProt ID	P26639