

ARG62639 anti-Thymidine Phosphorylase antibody [P-GF.44C]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [P-GF.44C] recognizes Thymidine Phosphorylase
Tested Reactivity	Hu, Ms
Tested Application	FACS, IHC-Fr, IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	P-GF.44C
Isotype	IgG1
Target Name	Thymidine Phosphorylase
Species	Human
Immunogen	Recombinant full length human thymidine phosphorylase (TP/ PD-ECGF) protein
Conjugation	Un-conjugated
Alternate Names	MEDPS1; MTDPS1; ECGF; Gliostatin; EC 2.4.2.4; TP; PD-ECGF; TdRPase; MNGIE; ECGF1; hPD-ECGF; Platelet-derived endothelial cell growth factor; PDECGF; Thymidine phosphorylase

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Breast carcinoma, HUVEC cells

Properties

Form	Liquid
Buffer	10mM PBS (pH 7.4), 0.2% BSA and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Stabilizer	0.2% BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1890 Human GeneID: 72962 Mouse Swiss-port # P19971 Human Swiss-port # Q99N42 Mouse
Gene Symbol	TYMP
Gene Full Name	thymidine phosphorylase
Background	This gene encodes an angiogenic factor which promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. It has a highly restricted target cell specificity acting only on endothelial cells. Mutations in this gene have been associated with mitochondrial neurogastrointestinal encephalomyopathy. Multiple alternatively spliced transcript variants have been identified. [provided by RefSeq, Apr 2012]
Function	May have a role in maintaining the integrity of the blood vessels. Has growth promoting activity on endothelial cells, angiogenic activity in vivo and chemotactic activity on endothelial cells in vitro. Catalyzes the reversible phosphorolysis of thymidine. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	50 kDa