Urea Transporter, Erythrocyte (UTE) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Urea Transporter, Erythrocyte (UTE), Monoclonal Antibody
Full Product Name	FITC Linked Monoclonal Antibody to Urea Transporter, Erythrocyte (UTE)
Product Gene Name	anti-UTE antibody
Product Synonym Names	UTE/Urea Transporter, Erythrocyte; SLC14A1; HUT11; HsT1341; JK; RACH1; UTB1; UT1; Solute Carrier Family 14 Member 1, Urea Transporter, Kidd Blood Group
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	C4
Host	Mouse
Species Reactivity	Human, Pig
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	>=1mg/mL (Please refer to the vial label for the specific concentration.) (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against UTE. It has been selected for its ability to recognize UTE in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: UTE Clone #C4 (MBS2139276) FITC Conjugated Antibody: UTE Clone #C4 (MBS2136397)
Molecular Weight	42,528 Da
OMIM	613868
3D Structure	ModBase 3D Structure for Q13336
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen Type	Conjugated small molecules/CP
Sequence of Immunogen	CTMVRVDSPTMVRGENQ
Conjugation	FITC
Product Categories/Family for anti-UTE antibody	Kidney biomarker; Primary, FITC labeled
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-UTE antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-UTE antibody	IHC: 520ug/mL ICC: 520ug/mL

Related Product Information for anti-UTE antibody	MBS2136397 is an antibody targeting UTE. Also known as FITC Linked Monoclonal Antibody to Urea Transporter, Erythrocyte (UTE). Reactive in Human, Pig. Host: Mouse.
Other Notes	Small volumes of anti-UTE antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UTE. It may not necessarily be applicable to this product.

NCBI GI #	226371768
NCBI GeneID	6563
NCBI Accession #	NP_001122060.3
UniProt Primary Accession #	Q13336
UniProt Secondary Accession #	Q86VM5; A8K0P3; B3KR62; B3KVX3; C9EHF2
UniProt Related Accession #	Q13336
GenBank Nucleotide #	NM_001128588.3
NCBI Official Full Name	urea transporter 1 isoform 1
NCBI Official Synonym Full Names	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)
NCBI Official Symbol	SLC14A1
NCBI Official Synonym Symbols	JK; UT1; UTE; HUT11; RACH1; RACH2; UT-B1; HsT1341
UniProt Protein Name	Urea transporter 1
UniProt Synonym Protein Names	Solute carrier family 14 member 1; Urea transporter, erythrocyte
UniProt Gene Name	SLC14A1
UniProt Synonym Gene Names	HUT11; JK; RACH1; UT1; UTE
UniProt Entry Name	UT1_HUMAN
NCBI Protein Information	urea transporter 1; SLC14A1 JK; Kidd blood group; urea transporter-B1; urea transporter, erythrocyte; urea transporter JK glycoprotein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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