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Product datasheet for AM26149PU-N

EEF1A1 (N-term) Mouse Monoclonal Antibody [Clone ID: 900]

Product data:

Product Type:	Primary Antibodies
Clone Name:	900
Applications:	ELISA, IF, WB
Recommended Dilution:	Western blot: 1:50 as starting dilution. Immunoflourescence. Immuno assays.
Reactivity:	Bacteria
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	E. coli K-12 C600 Rif (pKT146) bacteria
Specificity:	The monoclonal antibody 900 recognizes elongation factor Tu (EF-Tu), a 43 kDa multifunctional protein present in Escherichia coli. The antibody recognizes EF-Tu in organisms belonging to bacterial and archaeal domains, yet no organisms from the eukaryotic domain. The panbacterial distribution of EF-Tu, which is present in large amounts in every prokaryotic cell, renders this protein a good candidate for diagnostic purposes. The highly conserved epitope recognized by monoclonal antibody 900 is located at the very end of the N-terminus of the EF-Tu molecule (SKEKFE).
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Product should be stored at 2-8°C.
Stability:	Shelf life: one year from despatch.

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Gene Name:	eukaryotic translation elongation factor 1 alpha 1
Database Link:	P68104
Background:	EF-Tu is one of the most abundant proteins present in prokaryotes, representing about 5 % of the total cellular protein of E. coli. During protein biosynthesis, the elongation process, EF-Tu catalyzes the binding of each aminoacyl-tRNA to the ribosome. It also interacts with several macromolecules and guanine nucleotides, including EF-Ts, GDP, GTP, and some ribosomal proteins.
Synonyms:	EF-1-alpha-1, eEF1A-1, EF-Tu, EEF1A, EF1A, CCS3, PTI1, CCS-3, FLJ25721, GRAF-1EF, Elongation factor 1 alpha 1

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