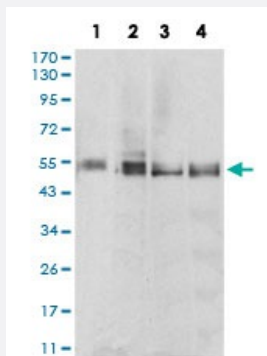


ETF1 monoclonal antibody, clone 4F9H12

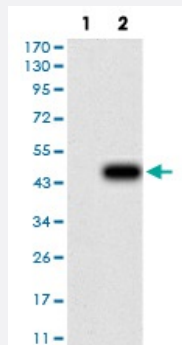
Catalog # MAB17190 Size 100 ug

Applications



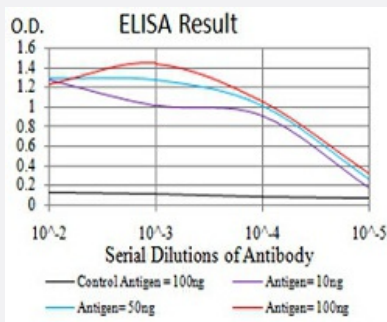
Western Blot (Cell lysate)

Western blot analysis of Lane 1: MCF-7 cell; Lane 2: T47D cell; Lane 3: MOLT4 cell; Lane 4: Raji cell with ETF1 monoclonal antibody.



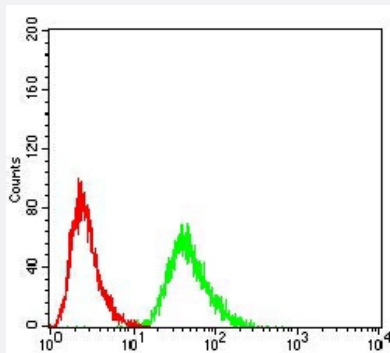
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) ETF1-hlgGfc transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ETF1 monoclonal antibody, clone 4F9H12.



Flow Cytometry

Flow cytometric analysis of HeLa cells with ETF1 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ETF1.
Immunogen	Recombinant protein corresponding to amino acid 288-437 of human ETF1 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	49kDa
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: MCF-7 cell; Lane 2: T47D cell; Lane 3: MOLT4 cell; Lane 4: Raji cell with ETF1 monoclonal antibody.

- Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) ETF1-hlgGfc transfected HEK293 cell lysate.

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Flow cytometric analysis of HeLa cells with ETF1 monoclonal antibody (green) and negative control (red).

Gene Info — ETF1

Entrez GeneID [2107](#)

Gene Name ETF1

Gene Alias D5S1995, ERF, ERF1, MGC111066, RF1, SUP45L1, TB3-1

Gene Description eukaryotic translation termination factor 1

Omim ID [600285](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Termination of protein biosynthesis and release of the nascent polypeptide chain are signaled by the presence of an in-frame stop codon at the aminoacyl site of the ribosome. The process of translation termination is universal and is mediated by protein release factors (RFs) and GTP. A class 1 RF recognizes the stop codon and promotes the hydrolysis of the ester bond linking the polypeptide chain with the peptidyl site tRNA, a reaction catalyzed at the peptidyl transferase center of the ribosome. Class 2 RFs, which are not codon specific and do not recognize codons, stimulate class 1 RF activity and confer GTP dependency upon the process. In prokaryotes, both class 1 RFs, RF1 and RF2, recognize UAA; however, UAG and UGA are decoded specifically by RF1 and RF2, respectively. In eukaryotes, eRF1, or ETF1, the functional counterpart of RF1 and RF2, functions as an omnipotent RF, decoding all 3 stop codons (Frolova et al., 1994 [PubMed 7990965]).[supplied by OMIM]

Other Designations polypeptide chain release factor 1|sup45 (yeast omnipotent suppressor 45) homolog-like 1

Disease

- [Disease Progression](#)

- [Disease Susceptibility](#)
- [HIV Infections](#)