

Mouse anti-Human RF1 Monoclonal Antibody | anti-RF1 antibody

RF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312055	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot

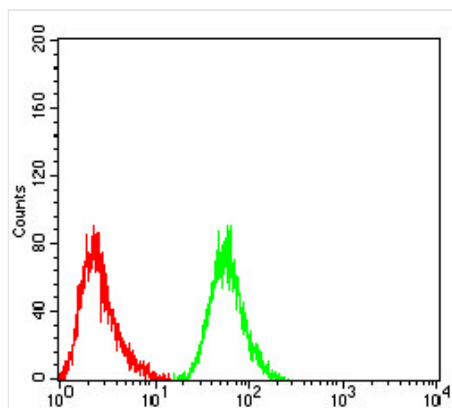
PRODUCT SYNONYMS

RF1; Monoclonal Antibody; RF1 Antibody; Cl1 protein antibody; D5S1995 antibody; ERF antibody; eRF1 antibody; ERF1_HUMAN antibody; ETF1 antibody; Eukaryotic peptide chain release factor subunit 1 antibody; Eukaryotic release factor 1 antibody; Eukaryotic translation termination factor 1 antibody; MGC111066 antibody; Polypeptide chain release factor 1 antibody; Protein Cl1 antibody; RF1 antibody; Sup45 (yeast omnipotent suppressor 45) homolog like 1 antibody; SUP45L1 antibody; TB3 1 antibody; TB3-1 antibody; anti-RF1 antibody

PRODUCT SPECIFICATIONS

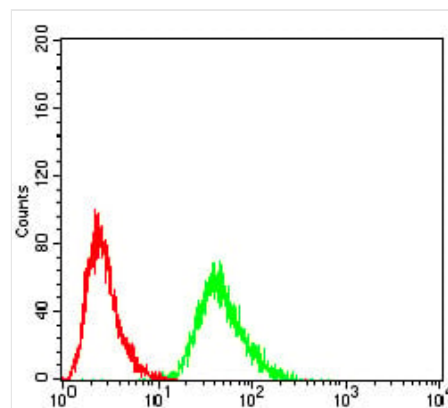
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-RF1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



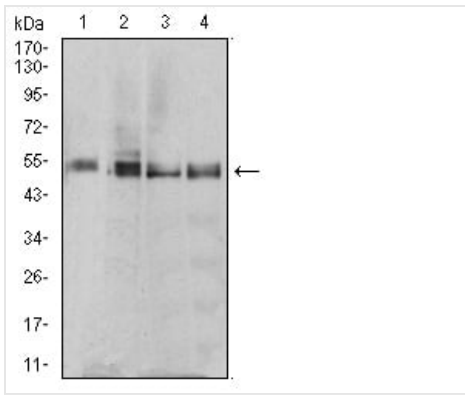
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HepG2 cells with eRF1 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

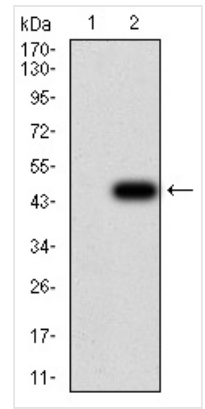


FCM/FACS (Flow Cytometry)

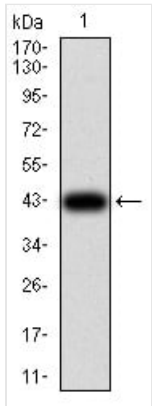
Flow cytometric analysis of HeLa cells with eRF1 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



WB (Western Blot)
 Western blot analysis of eRF1 on different cell lysate using anti-eRF1 antibody at 1/1, 000 dilution. Positive control: Lane1: MCF-7 Lane2: T47D Lane3: MOLT4 Lane4: Raji



WB (Western Blot)
 Western blot analysis of eRF1 on HEK293 (1) and eRF1-hlgGfc transfected HEK293 (2) cell lysate using anti-eRF1 antibody at 1/1, 000 dilution.



WB (Western Blot)
 Western blot analysis of eRF1 on human eRF1 recombinant protein using anti-eRF1 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-eRF1 antibody	Translation is carried out by the ribosome and several associated protein factors through three consecutive steps: initiation, elongation and termination. Termination of protein synthesis takes place when the ribosomal A site is occupied simultaneously by one of three stop codons and by a class 1 translation termination factor. In eukaryotes, this termination factor is the eukaryotic release factor 1 (eRF1), a protein that promotes hydrolysis of the last peptidyl-tRNA on the ribosome. eRF1 activity is stimulated by the association with the GTP-binding protein eRF3. eRF1 forms a quaternary complex with eRF3, GTP and the ribosome. This complex performs a dual role, where, in the "GTP state," it controls the positioning of eRF1 toward the stop codon and peptidyl-tRNA, and, in the "GDP state," it promotes the release of the eRFs from the ribosome. eRF1 contains a highly conserved Asn-Ile-Lys-Ser (NIKS) tetrapeptide, which is essential for the interaction of eRF1 with the ribosome. The gene encoding human eRF1 maps to chromosome 5q31.2.
Product Categories/Family for anti-eRF1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759034
NCBI GeneID	2107
NCBI Accession #	NP_004721
NCBI GenBank Nucleotide #	NM_004730
UniProt Accession #	P62495; P46055; Q5M7Z7; Q96CG1; B2R6B4; D3DQC1

Molecular Weight	45,463 Da
NCBI Official Full Name	eukaryotic peptide chain release factor subunit 1 isoform 1
NCBI Official Synonym Full Names	eukaryotic translation termination factor 1
NCBI Official Symbol	ETF1
NCBI Official Synonym Symbols	ERF; RF1; ERF1; TB3-1; D5S1995; SUP45L1
NCBI Protein Information	eukaryotic peptide chain release factor subunit 1; polypeptide chain release factor 1; protein C11; sup45 (yeast omnipotent suppressor 45) homolog-like 1
UniProt Protein Name	Eukaryotic peptide chain release factor subunit 1
UniProt Gene Name	ETF1
UniProt Synonym Gene Names	ERF1; RF1; SUP45L1; Eukaryotic release factor 1; eRF1
UniProt Entry Name	ERF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/rf1-antibody-flow-cytometry-western-blot-elisa/312055>