

Mouse anti-Human E2A Monoclonal Antibody | anti-E2A antibody

E2A Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320039	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

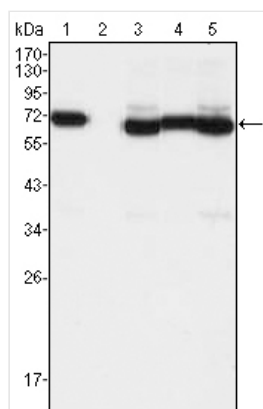
PRODUCT SYNONYMS

E2A; Monoclonal Antibody; E2A Monoclonal Antibody; Transcription factor E2-alpha; TCF3; BHLHB21; ITF1; Class B basic helix-loop-helix protein 21; bHLHB21; Immunoglobulin enhancer-binding factor E12/E47; Immunoglobulin transcription factor 1; Kappa-E2-binding factor; Transcription facto; anti-E2A antibody

PRODUCT SPECIFICATIONS

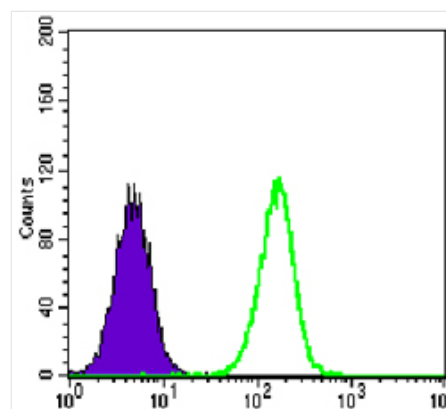
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	E2A Monoclonal Antibody detects endogenous levels of E2A protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-E2A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human E2A expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of A549 cells using E2A Monoclonal Antibody (green) and negative control (purple).



WB (Western Blot)

Western Blot analysis using E2A Monoclonal Antibody against A549 (1), A431 (2), HeLa (3), PANC-1 (4) and PC-3 (5) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-E2A antibody	This gene encodes a member of the E protein (class I) family of helix-loop-helix transcription factors. E proteins activate transcription by binding to regulatory E-box sequences on target genes as heterodimers or homodimers, and are inhibited by heterodimerization with inhibitor of DNA-binding (class IV) helix-loop-helix proteins. E proteins play a critical role in lymphopoiesis, and the encoded protein is required for B and T lymphocyte development. Deletion of this gene or diminished activity of the encoded protein may play a role in lymphoid malignancies. This gene is also involved in several chromosomal translocations that are associated with lymphoid malignancies including pre-B-cell acute lymphoblastic leukemia (t(1;19), with PBX1), childhood leukemia (t(19;19), with TFPT) and acute leukemia (t(12;19), with ZNF384). Alternatively spliced transcript variants encoding multiple isoforms have been
Product Categories/Family for anti-E2A antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	209915594
NCBI GeneID	6929
NCBI Accession #	NP_001129611.1
NCBI GenBank Nucleotide #	NM_001136139.2
UniProt Accession #	P15923; P15883; Q14208; Q14635; Q14636; Q2TB40; Q9UPI9
Molecular Weight	67,600 Da
NCBI Official Full Name	transcription factor E2-alpha isoform E47
NCBI Official Synonym Full Names	transcription factor 3
NCBI Official Symbol	TCF3
NCBI Official Synonym Symbols	E2A; E47; ITF1; VDIR; TCF-3; bHLHb21
NCBI Protein Information	transcription factor E2-alpha; kappa-E2-binding factor; VDR interacting repressor; transcription factor ITF-1; helix-loop-helix protein HE47; immunoglobulin transcription factor 1; vitamin D receptor-interacting repressor; class B basic helix-loop-helix p
UniProt Protein Name	Transcription factor E2-alpha
UniProt Gene Name	TCF3
UniProt Synonym Gene Names	BHLHB21; E2A; ITF1; bHLHb21; TCF-3
UniProt Entry Name	TFE2_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.