

E2A (Phospho-Thr355) Conjugated Antibody

Catalog No: #C11798



Package Size: #C11798-AF350 100ul #C11798-AF405 100ul #C11798-AF488 100ul
 #C11798-AF555 100ul #C11798-AF594 100ul #C11798-AF647 100ul
 #C11798-AF680 100ul #C11798-AF750 100ul #C11798-Biotin 100ul

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Description

Product Name	E2A (Phospho-Thr355) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of E2A only when phosphorylated at threonine 355.
Immunogen Description	Peptide sequence around phosphorylation site of threonine 355 (P-S-T(p)-P-V) derived from Human E2A .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	E12;Tran;TCF3;TFE2; ITF1
Accession No.	Swiss-Prot#:P15923NCBI Gene ID:6929NCBI mRNA#:NM_003200.3. NCBI Protein#:NP_003191.1.
Uniprot	P15923
GeneID	6929;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	67
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Background

E2A is a transcription factor that plays major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Heterodimers between E2A and tissue-specific basic helix-loop-helix (bHLH) Dimers bind DNA on E-box motifs: 5'- CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer. Deletions in E2A have been observed in a subset of pre-B-cell acute lymphoblastic leukemia (B-ALL) cases. Two alternatively spliced human isoforms have been described.

Note: This product is for in vitro research use only