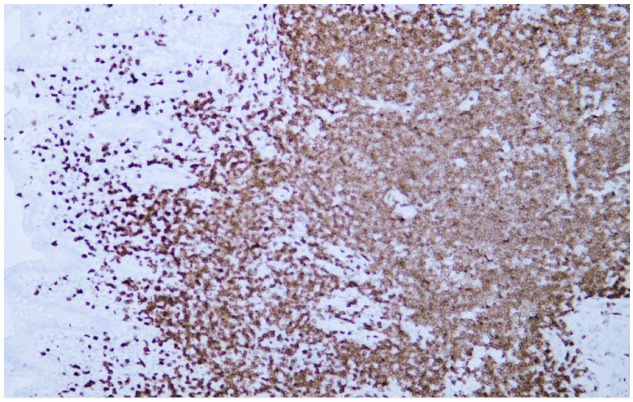
CD3, CD3E mouse mAb(ABT295)

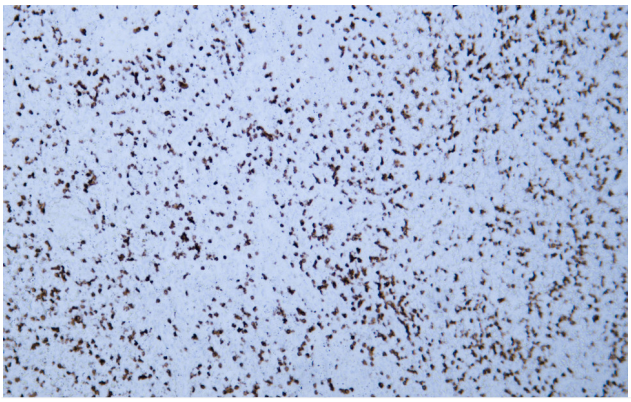
Catalog No	BYab-31276
Isotype	IgG
Reactivity	Human
Applications	IHC,WB,ICC/IF
Gene Name	CD3E T3E
Protein Name	CD3, CD3E
Immunogen	Synthesized peptide derived from human CD3, CD3E
Specificity	The antibody can specifically recognize human CD3e protein, and shows no reaction with CD3d or CD3g. In western blotting of Jurkat cell lysate, the antibody can label a 23KDa band corresponding to CD
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.60% sodium azide.
Source	Mouse, Monoclonal/IgG2a, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	T-cell surface glycoprotein CD3 epsilon chain (T-cell surface antigen T3/Leu-4 epsilon chain;CD antigen CD3e)
Observed Band	
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Membranous
Function	function:The CD3 complex mediates signal transduction.,online information:CD3E mutation db,similarity:Contains 1 Ig-like (immunoglobulin-like) domain.,similarity:Contains 1 ITAM domain.,subunit:The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta.,
Background	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex

	plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

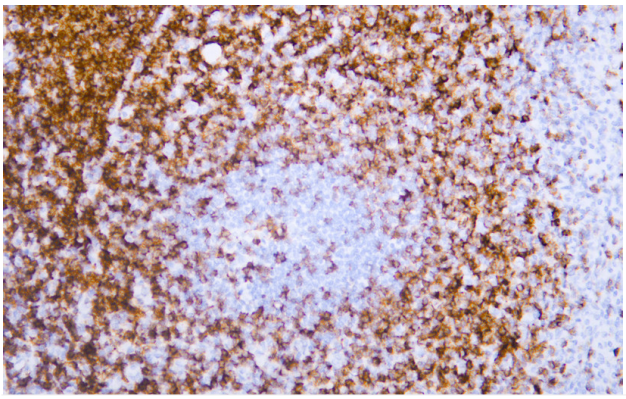
Products Images



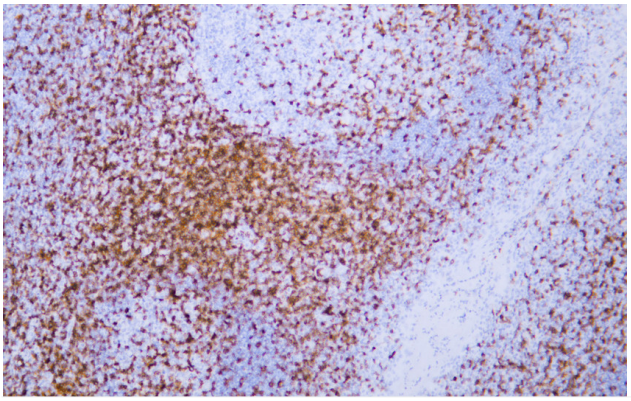
Human appendix tissue was stained with Anti-CD3 (ABT295) Antibody



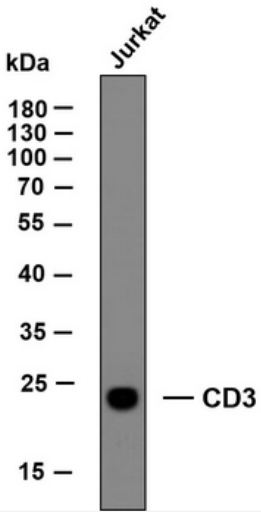
Human spleen tissue was stained with Anti-CD3 (ABT295) Antibody



Human tonsil tissue was stained with Anti-CD3 (ABT295) Antibody



Human tonsil tissue was stained with Anti-CD3 (ABT295) Antibody



Whole cell lysates of Jurkat were separated by 12% SDS-PAGE, and the membrane was blotted with anti-CD3 antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody. Predicted band size: 23 kDa