

## Anti-CD4 antibody (Internal) (STJ73121)

STJ73121

### GENERAL INFORMATION

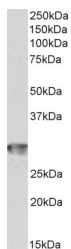
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Goat polyclonal antibody anti-CD4 (Internal) is suitable for use in ELISA, Western Blot, Immunohistochemistry and Flow Cytometry research applications.
<b>Applications</b>	Pep-ELISA/WB/IHC/FC
<b>Host/Source</b>	Goat
<b>Reactivity</b>	Human

### PRODUCT PROPERTIES

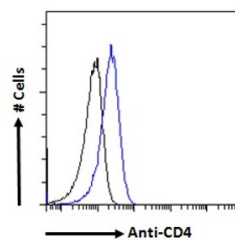
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	0.5 mg/mL
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Dilution Range</b>	Peptide ELISA: antibody detection limit dilution 1:128000. WB: Approx 30kDa band observed in Human Spleen and Bone Marrow lysates (calculated MW of 31.3kDa according to NP_001181943.1). Recommended concentration: 0.3-1 µg/mL. Primary incubation 1
<b>Formulation</b>	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. NA
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store at -20°C on receipt and minimise freeze-thaw cycles.

### TARGET INFORMATION

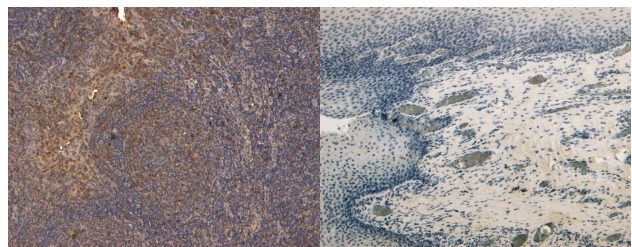
<b>Gene ID</b>	920
<b>Gene Symbol</b>	CD4
<b>Uniprot ID</b>	CD4_HUMAN
<b>Immunogen</b>	
<b>Immunogen Region</b>	Internal
<b>Specificity</b>	This antibody is expected to recognize isoform 1 (NP_000607.1) and isoform 2 (NP_001181943.1).
<b>Immunogen Sequence</b>	KNKEVSVKRVTDQPK



STJ73121 (1 µg/mL) staining of Human Spleen lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.



STJ73121 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1 hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



STJ73121 (4 µg/mL) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

STJ73121 Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.