

## Phospho-CD3 Zeta (Y142) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-PHS00051
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CD3 zeta around the phosphorylation site of Tyr142. AA range:111-160
<b>Mol wt</b>	18696
<b>Species reactivity</b>	Human, mouse, rat, monkey
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Phospho-CD3 zeta (Y142) Antibody
<b>Synonyms</b>	CD247; CD3Z; T3Z; TCRZ; T-cell surface glycoprotein CD3 zeta chain; T-cell receptor T3 zeta chain; CD antigen CD247

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

The protein encoded by CD247 (CD247 molecule) is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for CD247.

### Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for one year