



## Rabbit Anti-Human IL-15 monoclonal antibody, clone S223 (CABT-ZB599)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human IL-15
<b>Target</b>	IL15
<b>Immunogen</b>	Recombinant Human IL15/IL-15/Interleukin 15 Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	S223
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB599 - CABT-ZB950 This antibody will detect IL-15 in antibody pair set. [ABPR-ZB177]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Human IL15 / IL-15 / Interleukin 15.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	<p>This antibody can be stored at 2°C-8°C for one month without detectable loss of activity.</p> <p>Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.</p>
Ship	Wet ice

## BACKGROUND

**Introduction** The protein encoded by the IL15 gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietic receptor subunits and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Alternatively, spliced transcript variants of this gene have been reported.

**Keywords** IL15; interleukin 15; IL-15; interleukin-15

## GENE INFORMATION

**Synonyms** IL15; interleukin 15; IL-15; interleukin-15

**Entrez Gene ID** [3603](#)

**UniProt ID** [Q14005](#)