

## Datasheet

### IL15 monoclonal antibody (M06), clone 3A3

**Catalog Number:** H00003600-M06

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant IL15.

**Clone Name:** 3A3

**Immunogen:** IL15 (NP\_000576, 49 a.a. ~ 162 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

NWVNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVTA  
MKCFLLELQVISLES GDASIHDTVENLILANNSLSSNG  
NVTESGCKECEEELEEKNIKEFLQSFVHIVQMFINTS

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3600

**Gene Symbol:** IL15

**Gene Alias:** IL-15, MGC9721

**Gene Summary:** The protein encoded by this 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 hematopoietin 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. Two alternatively spliced transcript variants of this gene encoding the same protein have been reported. [provided by RefSeq]