



Mouse anti-Human IL15RA polyclonal antibody (DPAB-DC1711)

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

PRODUCT INFORMATION

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| Antigen Description | This gene encodes a cytokine receptor that specifically binds interleukin 15 (IL15) with high affinity. The receptors of IL15 and IL2 share two subunits, IL2R beta and IL2R gamma. This forms the basis of many overlapping biological activities of IL15 and IL2. The protein encoded by this gene is structurally related to IL2R alpha, an additional IL2-specific alpha subunit necessary for high affinity IL2 binding. Unlike IL2RA, IL15RA is capable of binding IL15 with high affinity independent of other subunits, which suggests distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported.[provided by RefSeq, Apr 2010] |
| Immunogen | IL15RA (NP_002180, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag. The sequence is ITCPPPMSEHADIWVKSYSLYSRERYICNSGFKRKAGTSSLTECVLNKATNVAHWTPS LKCIRDPAVHQRPAAPPSTVTAGVTPQPESLSPSGKEPA |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | IL15RA interleukin 15 receptor, alpha [Homo sapiens (human)] |
| Official Symbol | IL15RA |
| Synonyms | IL15RA; interleukin 15 receptor, alpha; CD215; interleukin-15 receptor subunit alpha; interleukin 15 receptor alpha isoform EM2; interleukin 15 receptor alpha isoform IC2; interleukin 15 receptor alpha isoform IC3; interleukin 15 receptor alpha isoform IC4; interleukin 15 receptor alpha isoform IC5; interleukin 15 receptor alpha isoform IC6; interleukin 15 receptor alpha isoform IC7; interleukin 15 receptor alpha isoform IC8; |
| Entrez Gene ID | 3601 |
| Protein Refseq | NP_001230468 |
| UniProt ID | Q13261 |
| Chromosome Location | 10p15.1 |
| Pathway | Cytokine-cytokine receptor interaction; HTLV-I infection; Intestinal immune network for IgA production; Jak-STAT signaling pathway |
| Function | cytokine receptor activity; protein binding; signal transducer activity; |