

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human IL-17 RA/IL-17 R in ELISAs and Western blots. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 133621 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant human IL-17 RA/IL-17 R Leu33-Trp320 Accession # Q96F46 |
| Conjugate | Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm |
| Formulation | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

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| ELISA Capture (Matched Antibody Pair) | Optimal dilution of this antibody should be experimentally determined. |
| ELISA Detection (Matched Antibody Pair) | Optimal dilution of this antibody should be experimentally determined. |
| Western Blot | Optimal dilution of this antibody should be experimentally determined. |

PREPARATION AND STORAGE

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| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied |

BACKGROUND

Interleukin 17 (also known as CTLA-8) is a T cell-expressed pleiotropic cytokine. IL-17 binds to IL-17 receptor A (IL-17 RA), also known as IL-17 receptor (IL-17 R). IL-17 RA shares no homology with any known family of receptors. While the expression of IL-17 is restricted to activated T cells, the IL-17 RA mRNA exhibits a broad tissue distribution, and has been detected in virtually all cells and tissues tested. Human IL-17 RA is a 120 kDa, 866 amino acid (aa) type I membrane glycoprotein with a 293 aa extracellular domain, a 21 aa carboxy-proximal transmembrane domain, and a 525 aa cytoplasmic tail. Within the ECD, human IL-17 RA shares 72% aa sequence identity with mouse and rat IL-17 RA. The signaling events of IL-17 includes activation of NF-κB and JNK, and require TNF receptor-associated factors 6 (TRAF6) in the signaling pathway.

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