

DESCRIPTION

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 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

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.

PRODUCT SPECIFIC NOTICES

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