Human IL-17 RA/IL-17 R Antibody

Monoclonal Mouse IgG_{2B} Clone # 133621

Catalog Number: MAB1771

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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human IL-17 RA/IL-17 R Fc Chimera (Catalog # 177-IR)
Human IL-17 RA/IL-17 R Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Human IL-17 RA/IL-17 R Antibody (Catalog # MAB1771)
ELISA Detection	0.1-0.4 µg/mL	Human IL-17 RA/IL-17 R Biotinylated Antibody (Catalog # BAF177)
Standard		Recombinant Human IL-17 RA/IL-17 R Fc Chimera (Catalog # 177-IR)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Interleukin 17 (also known as CTLA-8) is a T cell-expressed pleotropic 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.

References:

1. Yao, Z. *et al*. (1997) Cytokine **9**:794.
2. Schwander, R. *et al*. (2000) J. Exp. Med. **191**:1233.

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Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449