

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IL-17 RA/IL-17 R in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human IL-17 RA, recombinant mouse (rm) IL-17B R, rmlL-17 RD, or rmlL-17 RC is observed. In Western blots, less than 10% cross-reactivity with recombinant human (rh) IL-17 RA or rhIL-17B R is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 657603
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IL-17 RA/IL-17 R Ser32-Trp322 Accession # Q60943
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	EL-4 mouse lymphoblast cell line

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. <ul style="list-style-type: none"> ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

IL-17 receptor alpha subunit (IL-17 RA), also known as IL-17 R, is a widely expressed 120 kDa glycosylated type I transmembrane protein that plays a central role in inflammatory responses. IL-17 RA associates with IL-17 RC to form a signaling receptor complex for IL-17 and IL-17F. IL-17 RA ligation promotes T cell activation and the production of IL-6, G-CSF, SCF, and multiple proinflammatory chemokines. Within the ECD, mouse IL-17 RA shares 84% and 72% aa sequence identity with rat and human IL17 RA, respectively.

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