

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	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.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 657603
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse IL-17 RA/IL-17 R Ser32-Trp322 Accession # Q60943
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	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.

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

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### 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.

#### PRODUCT SPECIFIC NOTICES

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