

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse IL-9 R in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse (rm) IL-5 R $\alpha$ , recombinant human (rh) IL-5 R $\beta$ , rmlIL-4 R, rhIL-9 R, rmlIL-13 R $\alpha$ 1, or rmlIL-13 R $\alpha$ 2 is observed.      |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 224325                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse IL-9 R<br>Val38-Ser271 (predicted)<br>Accession # NP_001127930                                                                                                                                |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

**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

IL-9 R belongs to the hematopoietin receptor superfamily and is the binding subunit of the heterodimeric IL-9 receptor complex. The other subunit is the common  $\gamma$  chain shared with the receptors for IL-2, IL-4, IL-7, IL-15 and IL-21. IL-9 R is expressed by T cells, neutrophils, mast cells and macrophages.

## PRODUCT SPECIFIC NOTICES

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