

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse Limitin/IFN- $\zeta$ in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse IFN- $\gamma$ is observed.                                                                                            |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 183727                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse Limitin/IFN- $\zeta$<br>Leu22-Arg182<br>Accession # Q9R1T0                                                                                                                                                            |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 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

Limitin, also known as IFN- $\zeta$ , is a 20 kDa glycoprotein that is secreted by T cells and bronchial and salivary duct epithelial cells. It inhibits B-lineage cell development but has little effect on myelopoiesis or erythropoiesis. Limitin binds to IFN- $\alpha/\beta$  receptors and has potent antiviral activity. Mouse Limitin shares 32%, 26%, and 30% amino acid sequence identity with mouse IFN- $\alpha$ , mouse IFN- $\beta$ , and human IFN- $\omega$ , respectively.

## PRODUCT SPECIFIC NOTICES

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