



## Monoclonal Anti-mouse SIGIRR Antibody

### ORDERING INFORMATION

**Catalog Number:** MAB1092

**Clone:** 161917

**Lot Number:** GLQ02

**Size:** 500 µg

**Formulation:** 0.2 µm filtered solution in PBS  
with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** mouse SIGIRR

**Immunogen:** NS0-derived rmSIGIRR  
extracellular domain

**Ig class:** rat IgG<sub>1</sub>

**Recommended Application:**  
Western blot

**Other Application:**  
Direct ELISA

### Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a rat immunized with purified, NS0-derived, recombinant mouse single immunoglobulin domain-containing IL-1 receptor related protein (rmSIGIRR) extracellular domain. The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography. SIGIRR is a type I transmembrane protein belonging to the IL-1 receptor superfamily. It has a single extracellular Ig-like domain and conserved motifs in its cytoplasmic domain that are characteristic of the IL-1 receptor and Toll-like receptor families.

### Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

### Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 500 µg/mL.

### Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a **manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### Specificity

This antibody was selected for its ability to detect mouse SIGIRR in direct ELISAs and western blots. In direct ELISAs this antibody showed no cross-reactivity with other tested family members.<sup>1</sup>

### Applications

**Western Blot** - This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect mouse SIGIRR. The detection limit for rmSIGIRR is approximately 5 ng/lane under non-reducing conditions.

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse SIGIRR. The detection limit for rmSIGIRR is approximately 10 ng/well.

**Optimal dilutions should be determined by each laboratory for each application.**

1. rmlL-1 R1, rmlL-1 R2, rhIL-1 RAcP, rhIL-1 R4, rmlL-18 R, rrlL-1 R6, rmlL-1R7, rhIL-1 R8, rhIL-1 R9, rhSIGIRR.