

## Anti-Human/Mouse CD27 SAFIRE Purified

Catalog Number :09321-25

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** LG.3A10

**Format/Conjugate:** SAFIRE Purified

**Concentration:** 1 mg/mL

**Reactivity:** Human, Mouse, Rat

**Laser:** Not Applicable

**Peak Emission:** Not Applicable

**Peak Excitation:** Not Applicable

**Filter:** Not Applicable

**Brightness (1=dim,5=brightest):** Not Applicable

**Isotype:** Armenian Hamster IgG

**Formulation:** Phosphate-buffered aqueous solution, pH7.2.

**Storage:** Product should be kept at 2-8°C.

**Applications:** FC, FA

### Description

The LG.3A10 monoclonal antibody binds to CD27, 45kDA molecule in the Tumor Necrosis Factor Receptor (TNFR) superfamily. It is expressed on memory B cells, NK cells, mature T cells, and a subset of thymocytes. Cd27 is involved in the interactions between B and T cells through its ligand CD70. The LG.3A10 antibody is cross-reactive with human, mouse and rat CD27.

### Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

### References

- 1.Hendriks, J., Xiao, Y., Borst, J. (2003). CD27 promotes survival of activated T cells and complements CD28 in generation and establishment of the effector T cell pool.;The Journal of experimental medicine,;198(9), 1369-1380.
2. Sakanishi, T., Yagita, H. (2010). Anti-tumor effects of depleting and non-depleting anti-CD27 monoclonal antibodies in immune-competent mice.Biochemical and biophysical research communications,;393(4), 829-835.
3. Gravestain, L. A., Nieland, J. D., Kruisbeek, A. M., Borst, J. (1995). Novel mAbs reveal potent co-stimulatory activity of murine CD27.;International immunology,;7(4), 551-557.