

Ig λ light chain

Cat.No. 349 017; Monoclonal rat antibody, 100 μ g purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 μ g purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 μ l H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: yes ICC: not tested yet IHC: yes IHC-P/FFPE: 1 : 50 up to 1 : 200 FACS: yes
Clone	L22.18.2
Subtype	IgG2b
Immunogen	Purified light chains from mouse IgGs
Reactivity	Reacts with: mouse. Other species not tested yet.
Specificity	Specific for λ 1-light chain of mouse immunoglobulins.

**TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

Immunoglobulin (**Ig**) molecules consist of heavy chains and light chains of either lambda (λ) or kappa (κ) type, with κ light chains being the more common form. Immunoglobulines of the IgG, IgD and IgE type are composed of two heavy and two light chains. IgA occurs as dimeric and IgM as pentameric Ig complexes.

Selected References SYSY Antibodies

Alternative mechanisms of receptor editing in autoreactive B cells.
Kalinina O, Doyle-Cooper CM, Miksanek J, Meng W, Prak EL, Weigert MG
Proceedings of the National Academy of Sciences of the United States of America (2011) 108(17): 7125-30. **FACS; tested species: mouse**

Monoclonal antibodies to murine immunoglobulin isotypes.
Weiss S, Lehmann K, Cohn M
Hybridoma (1983) 2(1): 49-54. ; **tested species: mouse**

Mice completely suppressed for the expression of immunoglobulin kappa light chain.
Weiss S, Lehmann K, Raschke WC, Cohn M
Proceedings of the National Academy of Sciences of the United States of America (1984) 81(1): 211-5. ; **tested species: mouse**

Selected General References

Monoclonal antibodies to murine immunoglobulin isotypes.
Weiss S, Lehmann K, Cohn M
Hybridoma (1983) 2(1): 49-54.

Dissociation of kappa- and lambda-chains from reduced human immunoglobulins.
Cohen S, Gordon S
The Biochemical Journal (1965) 97(2): 460-5.