

AM05512HR-N**Monoclonal Antibody to Rat Kappa/Lambda Light Chain - HRP**

Quantity:	0.5 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Mouse / IgG1
Clone:	MARK-1/MARL-15
Immunogen:	MARK-1: Rat kappa light chains (IR202 and IR968). MARL-15: Rat lambda light chains (RH58, IR31). Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0 (MARK-1) or PAI-O (MARL-15) mouse myeloma cell line.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography Preservatives: 0.01% Thimerosal Stabilizers: 50% Glycerol Label: HRP – Horseradish Peroxidase
Applications:	ELISA: 0.5 µg/ml as detecting antibody. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is a cocktail of two antibodies recognising rat kappa and lambda light chains. It is specifically designed as a detection reagent for rat immunoglobulins in ELISA assays and can be used in combination with coating antibodies: Rat IgG1 (Cat.-No SM1030P); Rat IgG2a (Cat.-No SM1031P); Rat IgG2b (Cat.-No SM1032P); Rat IgG2c (Cat.-No SM1034P); Rat IgM (Cat.-No SM1033P); Rat IgE (Cat.-No SM1029P) and Rat IgA (Cat.-No SM1027P). Species: Rat. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Daley SR, Ma J, Adams E, Cobbold SP, Waldmann H. A key role for TGF-beta signaling to T cells in the long-term acceptance of allografts. <i>J Immunol.</i> 2007 Sep 15;179(6):3648-54. PubMed PMID: 17785800. 2. Daley SR, Cobbold SP, Waldmann H. Fc-disabled anti-mouse CD40L antibodies retain efficacy in promoting transplantation tolerance. <i>Am J Transplant.</i> 2008 Nov;8(11):2265-71. doi: 10.1111/j.1600-6143.2008.02382.x. Epub 2008 Sep 8. PubMed PMID: 18782294. 3. Sun Q, Yang X, Zhong B, Jiao F, Li C, Li D, et al. Upregulated protein arginine methyltransferase 1 by IL-4 increases eotaxin-1 expression in airway epithelial cells and participates in antigen-induced pulmonary inflammation in rats. <i>J Immunol.</i> 2012 Apr 1;188(7):3506-12. doi: 10.4049/jimmunol.1102635. Epub 2012 Mar 2. PubMed PMID: 22387551. 4. Cousins L, Graham M, Tooze R, Carter C, Miller JR, Powrie FM, et al. Eosinophilic

bowel disease controlled by the BB rat-derived lymphopenia/Gimap5 gene. Gastroenterology. 2006 Nov;131(5):1475-85. Epub 2006 Oct 5. PubMed PMID: 17064701.

5. Sandin LC, Orlova A, Gustafsson E, Ellmark P, Tolmachev V, Tötterman TH, et al. Locally delivered CD40 agonist antibody accumulates in secondary lymphoid organs and eradicates experimental disseminated bladder cancer. Cancer Immunol Res. 2014 Jan;2(1):80-90. doi: 10.1158/2326-6066.CIR-13-0067. Epub 2013 Oct 21. PubMed PMID: 24778163.