
Certificate of Specification

UPB90060, UPB90061

Monoclonal anti Mouse Kappa light Chain - Biotin

Product Information

Product :	Rat IgG1 (allotype IgK-1a) anti Mouse Kappa light chain - Biotin
Spécificity :	Mouse Kappa Light Chain of immunoglobulin
Origin :	Rat
Clone :	LO-MK-2
Purity :	Immunoaffinity chromatography (Bazin et al. J.Immunol. Meth. 1984, 71 :9-16)
Reactivity :	Kappa Light Chain of Mouse Immunoglobulin (determined by immunodot), positively tested on BALB/c and C57BL/6 mouse sera. LO-MK-1 and LO-MK-2 do not bind to the same epitope.
Cross Reactivity :	does not cross-react with chicken, rabbit, goat, horse, baboon, human IgG and with human IgM. Cross-react with dog, sheep, swine and bovine IgG (ELISA test), probably by their kappa light chain, but not tested.
Avidity :	on mouse kappa IgM: $2 \times 10^8 M^{-1}$ on mouse kappa IgG1: $1 \times 10^9 M^{-1}$ on mouse kappa IgG2a: $3 \times 10^9 M^{-1}$ on mouse kappa IgG2b: $2 \times 10^9 M^{-1}$ on mouse kappa IgG3: $2 \times 10^9 M^{-1}$
Application :	Immunoassay : LO-MK-1 and LO-MK-2 do not bind to the same epitope(s) of mouse IgK. LO-MK-2 can be used for coating as it coats very well on plastic plate. LO-MK-1 can be used for detection. Immunopurification : for purification of Mouse Kappa Ig (Solid phase Sepharose 4B CNBr act.)
Buffer :	PBS pH7.2, 50% glycerol
Concentration :	1mg/ml
Storage :	-20°C
References :	(1) Bazin H. Production of rat monoclonal antibodies with the LOU rat non secreting IR983F myeloma cell line. Prot. Biol. Fluids, 1982, Peeters E. ed., 29th colloquium 1981 Pergamon Press Oxford and N.Y. : 615-618 <u>Selected references of scientific publications in which LO-MK-2 MAb was used:</u> Delaunay T. et al. J. Immunol. Methods, 1990, 131: 33-39. Vanhove B., Bazin H. Immunology 1993, 79: 580-586.

Uptima

FOR IN VITRO RESEARCH USE ONLY



213 Avenue J.F. Kennedy - BP 1140
03103 Montluçon Cedex - France
Tél. 04 70 03 88 55 - Fax 04 70 03 82 60