

PRODUCT SPECIFICATION

STATENS
SERUM
INSTITUT



HYB 339-01 Anti Rat Alpha_{2u}-globulin

Mouse monoclonal antibody

Article No.	59133 (0.2 mL), 101079 (1.0 mL)											
Product Name	HYB 339-01 Anti Rat Alpha _{2u} -globulin											
Clone	1D11											
Subclass	IgG2a / kappa											
Description	Preparation:	Protein-A purified										
	Concentration:	1 mg/mL ± 10%, based on A ₂₈₀ . See Certificate of Analysis for details.										
	Solvent:	PBS, pH 7.2 – 7.4										
	Storage:	-18 °C or colder										
Antigen	Alpha _{2u} -globulin (α _{2u} -globulin) (1) is a member of the lipocalin super family (2) and is quantitatively the major protein in urine of fertile male rats. Alpha _{2u} -globulin is also known as MUP (major urinary protein) and is a very important allergen because it constitutes approximately 30% of the total protein content excreted in the urine (3). Rats are the most frequently used laboratory animals and allergy to them constitutes an occupational disease. Approximately 20 % of the personnel engaged in work with laboratory animals have acquired symptoms of allergy (4).											
Immunogen	Alpha _{2u} -globulin purified from rat urine.											
Specificity	Cross reactivity with MUP's from other animals has not been tested.											
Epitope Specificity	HYB 339-01 has different epitope specificity than SSI-HYB 339-03 (5).											
Reactivity	In combination with SSI-HYB 339-03, HYB 339-01 is well suited for use in sandwich ELISA for detection of pg-amounts of α _{2u} -globulin. We recommend using HYB 339-01 as catching antibody.											
Culture Medium	Dulbecco's modified Eagle's medium with 10% fetal calf serum.											
Fusion Partner	X63-Ag8.653.											
Immunization	Female NMRI mice were immunized i.p. with immunogen.											
Application	<table border="1"><thead><tr><th>Method</th><th>Usability</th></tr></thead><tbody><tr><td>ELISA</td><td>yes</td></tr><tr><td>Immunoblotting</td><td>no</td></tr><tr><td>Immunofluorescence</td><td>nd.</td></tr><tr><td>Immunochemistry</td><td>yes</td></tr></tbody></table>	Method	Usability	ELISA	yes	Immunoblotting	no	Immunofluorescence	nd.	Immunochemistry	yes	
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References	1) Bayard, C., Holmquist, L. and Vesterberg, O. (1996). <i>Biochim. Biophys. Acta.</i> 1290, 129-134. 2) Hard, G.C., Sevin Rodgers, I., Baetcke, K.P., Richards, W.L., McGaughy, R.E. and Valcovic, L.R. (1993). <i>Environ. Health Perspect.</i> 99, 313-349. 3) Borghoff, S.J., Short, B.G. and Swenberg, J.A. (1990). <i>Annu. Rev. Pharmacol. Toxicol.</i> 30, 349- 367. 4) Hunskaar, S and Fosse, R.T. (1990). <i>Lab. Anim.</i> 24, 358-374.											

Conditions

For research use only. Not for use in diagnostic procedures. Not for therapeutic use or applications.

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