

PRODUCT SPECIFICATION

STATENS
SERUM
INSTITUT



SSI-HYB 339-03 Anti Rat Alpha_{2u}-globulin

Mouse monoclonal antibody

Article No.	97859 (0.2 mL), 101080 (1.0 mL)								
Product Name	SSI-HYB 339-03 Anti Rat Alpha _{2u} -globulin								
Clone	SSI-33B10-1.0C11								
Subclass	IgG1 / 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	SSI-HYB 339-03 has a different epitope specificity than HYB 339-01.								
Reactivity	In combination with HYB 339-01, SSI-HYB 339-03 (5) is well suited for use in sandwich ELISA for detection of pg-amounts of α _{2u} -globulin. We recommend using conjugated SSI-HYB 339-03 as detection antibody. SSI-HYB 339-03 is also useful for western blot analysis.								
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>yes</td></tr><tr><td>Immuno.fluoresc.</td><td>nd.</td></tr></tbody></table>	Method	Usability	ELISA	yes	Immunoblotting	yes	Immuno.fluoresc.	nd.
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References	<ol style="list-style-type: none">1) Bayard, C., Holmquist, L. and Vesterberg, O. (1996). Biochim. Biophys. Acta. 1290, 129-134.2) Hard, G.C., Sevin Rodgers, I., Baetcke, K.P., Richards, W.L, McGaughy, R.E. and Valcovic, L.R. (1993). Environ. Health Perspect. 99, 313-349.3) Borghoff, S.J., Short, B.G. and Swenberg, J.A. (1990). Annu. Rev. Pharmacol. Toxicol. 30, 349-367.4) Hunskar, S and Fosse, R.T. (1990). Lab. Anim. 24, 358-374.5) SSI-HYB 339-03 is a replacement for HYB 339-02.								

Conditions

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

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