

PRODUCT SPECIFICATION

STATENS
SERUM
INSTITUT



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

Mouse monoclonal antibody

| Article No. | 97861 | | | | | | | | |
|----------------------------|--|--------|-----------|-------|-----|----------------|-----|------------------|-----|
| Product Name | SSI-HYB 339-03B Anti Rat Alpha _{2u} -globulin, Biotinylated | | | | | | | | |
| 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: 2-8 °C | | | | | | | | |
| 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 is well suited for use in sandwich ELISA for detection of pg-amounts of α _{2u} -globulin. We recommend using SSI-HYB 339-03B (5) 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 | 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) Hunskaar, S and Fosse, R.T. (1990). Lab. Anim. 24, 358-374. 5) SSI-HYB 339-03B is a replacement for HYB 339-02. | | | | | | | | |

Conditions

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

The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall Statens Serum Institut be responsible for loss of profits or indirect consequential losses resulting from use of its products. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.