PRODUCT SPECIFICATION

HYB 339–01 Anti Rat Alpha\textsubscript{2u}–globulin

Mouse monoclonal antibody

<table>
<thead>
<tr>
<th>Article No.</th>
<th>59133 (0.2 mL) 101079 (1.0 mL)</th>
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</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>HYB 339–01 Anti Rat Alpha\textsubscript{2u}–globulin</td>
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<tr>
<td>Clone</td>
<td>1D11</td>
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<tr>
<td>Subclass</td>
<td>IgG2a / kappa</td>
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</tbody>
</table>
| Description | Preparation: Protein-A purified  
Concentration: 1 mg/mL ± 10%, based on A\textsubscript{280}  
Solvent: PBS, pH 7.2 – 7.4  
Storage: -18 ºC or colder |

Antigen

Alpha\textsubscript{2u}–globulin (\alpha\textsubscript{2u}-globulin) \cite{1} is a member of the lipocalin super family \cite{2} and is quantitatively the major protein in urine of fertile male rats. Alpha\textsubscript{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 \cite{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 \cite{4}.

Immunogen

Alpha\textsubscript{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 \cite{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 \alpha\textsubscript{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>
<thead>
<tr>
<th>Method</th>
<th>Usability</th>
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<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>

References


Conditions

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

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