

# PRODUCT SPECIFICATION

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## SSI-HYB 364-02 Anti Mouse Major Urinary Protein 3 (MUP3)

*Rat monoclonal antibody*

<b>Article No.</b>	97857 (0.2 mL), 101081 (1.0 mL)								
<b>Product Name</b>	SSI-HYB 364-02 Anti Mouse Major Urinary Protein 3 (MUP3)								
<b>Clone</b>	SSI-7B10								
<b>Subclass</b>	IgG1 / kappa								
<b>Description</b>	<p><b>Preparation:</b> Protein-G purified</p> <p><b>Concentration:</b> 1 mg/mL <math>\pm</math> 10%, based on A<sub>280</sub>. See Certificate of Analysis for details.</p> <p><b>Solvent:</b> PBS, pH 7.2 – 7.4</p> <p><b>Storage:</b> -18 °C or colder</p>								
<b>Antigen</b>	<p>All rodents excrete an unusual amount of protein in the urine. The most abundant proteins are known collectively as major urinary proteins (MUPs) and in rats they are also called alpha2U-globulin. They are a member of the lipocalin super family and are quantitatively the major protein in urine of fertile male mice. MUPs are very important allergens as they constitute approximately 30% of the total protein content excreted in the urine (1). Mice are among the most frequently used laboratory animals and allergy to them constitutes an occupational hazard. Approximately 20 % of the personnel engaged in work with laboratory animals have acquired symptoms of allergy (2).</p> <p>All rodents excrete a high amount of proteins in the urine, known collectively as major urinary proteins (MUPs) and in rats also called alpha2U-globulin.</p>								
<b>Immunogen</b>	MUP3 purified from male NMRI mouse urine.								
<b>Specificity</b>	No cross reactivity with MUPs from rat. Reactivity with other rodent species has not been tested.								
<b>Reactivity</b>	SSI-HYB 364-02 is suitable for use in an inhibition ELISA for detection of MUP3.								
<b>Culture Medium</b>	Dulbecco's modified Eagle's medium with 10% fetal calf serum.								
<b>Fusion Partner</b>	X63-Ag8.653.								
<b>Immunization</b>	Male Wistar rats were immunized s.c. with immunogen.								
<b>Application</b>	<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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<b>References</b>	<p>1) <b>Beynon, R.J. and Hurst, J.L.</b> (2004). Urinary proteins and the modulation of chemical scents in mice and rats. <i>Peptides</i> 25, 1553-1563.</p> <p>2) <b>Renström, A., Karlsson, A.-S., Malmberg, P., Larsson, P.H., van Hage-Hamsten, M.</b> (2001). Working with male rodents may increase risk of allergy to laboratory animals. <i>Allergy</i> 56, 964-970.</p>								

### Conditions

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

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