

**Anti-Glycoprotein-340 (gp-340)
Mouse monoclonal antibody**

PRODUCT NO.	HYB 213-01	Subclass: IgG ₁ /k												
		Clone: 5D7												
PRESENTATION	Preparation: Protein-A purified Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details. Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide Storage: 4-8°C without exposure to light. No precautions necessary during handling.													
ANTIGEN	Glycoprotein (gp)-340 is member of the scavenger receptor superfamily and has been identified as a putative SP-D receptor. Gp-340 has been shown to bind SP-D in a calcium-dependent manner through a protein-protein interaction (1). Like SP-D, gp-340 is found in the lungs and immunohistochemistry shows high expression in alveolar macrophages (1). An identical protein, salivary agglutinin, is present in saliva (2-4) and both gp-340 and salivary agglutinin are encoded by the gene DMBT1 (5-7).													
IMMUNOGEN	Native gp-340 purified from bronchoalveolar lavage fluid from patients with pulmonary alveolar proteinosis, adsorbed onto aluminum hydroxide gel													
SPECIFICITY	HYB 213-01 Reacts with a carbohydrate (sialic acid) epitope and cross-reacts with salivary MUC7 in immunohistochemistry (4).													
EPI TOPE SPECIFICITY	Carbohydrate (sialic acid) moiety													
REACTIVITY	In Western blotting after SDS-PAGE HYB 213-01 reacts strongly with gp-340 in both reduced and non-reduced forms. Strong reaction is seen in ELISA with gp-340 directly coated onto the microtiter well. In Western blotting a dilution guideline of 1/200 and 1/10.000 has proved successful (1, 2, 3, 4, 6).													
CULTURE MEDIUM	RPMI 1640 with 10% fetal calf serum													
FUSION PARTNER	X63-Ag8.653													
IMMUNIZATION	Female CF1 x BALB/c mice immunized by intraperitoneal injection													
APPLICATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Method</th> <th style="width: 33%;">Usability</th> <th style="width: 33%;">References</th> </tr> </thead> <tbody> <tr> <td>ELISA</td> <td>Yes</td> <td></td> </tr> <tr> <td>Immunoblotting</td> <td>Yes</td> <td>1,2,3,4,6</td> </tr> <tr> <td>Immunohistochemistry</td> <td>Yes</td> <td>1,5,6</td> </tr> </tbody> </table>		Method	Usability	References	ELISA	Yes		Immunoblotting	Yes	1,2,3,4,6	Immunohistochemistry	Yes	1,5,6
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