

PRODUCT SPECIFICATION

PS-0127 v01

Anti-Surfactant protein D (human, hSP-D)

CAT. NO.	Mouse monoclonal antibody		lgG1/k
	НҮВ 245-01	Clone:	12G5
SPECIFICITY	HYB 245-01 is specific for human SP-D.		
IMMUNOGEN	Recombinant neck CRD SP-D		
TESTED APPLICATIONS	ELISA, WB, IHC-P		
SPECIES REACTIVITY (POSITIVE)	Human		
SPECIES REACTIVITY (NEGATIVE)	Not determined		
EPITOPE SPECIFICITY	Not determined		
PRESENTATION Content: Preparation: Form:	Available in 400 μL and 1 mL size.1 mg/mL +/- 15%. See Certificate of Analysis fo Protein-A purified Liquid	r 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.		
APPLICATION	ELISA: HYB 245-01 can be used for ELISA with Ca ⁺⁺ present in the buffer. WB: In Western blotting after SDS-PAGE HYB 245-01 reacts strongly with SP- non-reduced forms. In Western blotting a dilution guideline of 1/20.000 has proved IHC: In immunohistochemical staining on paraffin embedded tissues, HYB 245-0 SP-D. Immunoreactivity can be found in epithelial cells of the lung, skin, sma gallbladder, kidney and urinary bladder (1, 2, 3).	-D, both in I successful 1 reacts sp all intestine	reduced and (2, 3). ecifically with , esophagus,
TARGET	Surfactant protein D (SP-D) is synthesized and secreted by lung epithelial cells. the family of C-type lectins and members of this group has overall structure consi 'head' regions linked by triple-helical, collagen-like, strands. This group also include proteins mannan-binding protein, conglutinin and collectin-43, all of which have to the C1q receptor found on a wide variety of cells. Both SP-D and SP-A have a oxygen radical production by alveolar macrophages. The serum concentration individuals (1).	It belongs t sting of mul des SP-A a been showr been showr is 88 ng/r	o group III of tiple globular nd the serum to bind to to enhance ml in healthy
REFERENCES	 Holmskov U, Mollenhauer J, Madsen J, Vitved L, Gronlund J, Tornoe I, Kliem Skjodt K (1999) Cloning of gp-340, a putative opsonin receptor for lung surface Acad Sci USA 96:10794-9. Madsen J, Kliem A, Tornoe I, Skjodt K, Koch C, Holmskov U (2000) Localize protein D on mucosal surfaces in human tissues. J Immunol 164:5866–70. Madsen J, Tornoe I, Nielsen O, Koch C, Steinhilber W, Holmskov U (2003) Exp of lung surfactant protein A in human tissues. Am J Respir Cel 	A, Reid KE cant protein zation of lui pression an II Mol Bid	8, Poustka A, D. Proc Natl ng surfactant d localization ol 29:591-7.

CONDITIONS

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