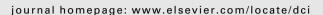
FISEVIER

Contents lists available at ScienceDirect

 D_{i} , C_{i} , C_{i} , C_{i}





Key Laboratory of Animal Epidemic Etiology & Immunological Prevention of Ministry of Agriculture, Zhejiang University, Hangzhou 310029, PR China State Key Laboratory for Diagnosis and Treatment of Infectious Diseases, The First Affiliated Hospital, Zhejiang University, Hangzhou 310003, PR China

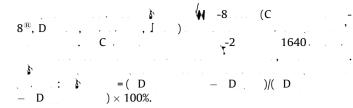
AB AC	
CD132	<u>, , , , , , , , , , , , , , , , , , , </u>
and the second	CD132 (CD132), D A CD132,
	, CD132,
2	CD132
1	CD133
	, 84E ⁹⁴ 95 96 97 98 7 96 7
	C L
. , CD132.	· · · · · · · · · · · · · · · · · · ·
CD132 , ⁻² .	© 2009 E

1. Introduction

Abbreviations: γ , ; CD132, γ ; FA, ; CD132, γ ; CD1322, γ ;

(C 10. Ì \sim 120 $^{\circ}$, 11 . A D 11,12.A 121 T 130 Α D 13. τ-2(-D 14 τ⁻² 2)

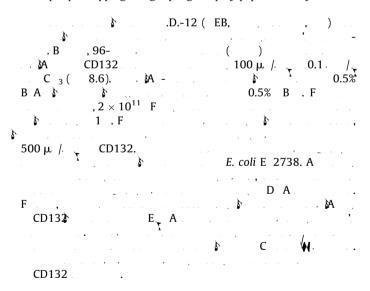
15 18	5'-CVV CVAC CACV V VVA CCAVAACC-3' C E E E E C C D C E E C CD132 (CD132) E E E CD132 E E CD132 E E CD132 E CD132 CD132
(E) (FB, FD) 10% (C) (C) 19. 2.2. RNA isolation, RT-PCR and DNA sequencing C 6-	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
1 × 10 ⁷ / 10 μ / C A 1640 10% C 39 °C (41 °C) 24 . C A- C 5 2500 / 4 °C. (,C) ,CA), D A () ₁₈ CD132 C (5'-A VVCVV VCCCVVVC C-3' 5'- CACCC CCCACV AVC V-3') -2 γ D A (V B Al419898). C 30 95 °C 1 60 °C 45 D A 72 °C 1 CD132 CD132 (:// b / ED - CD132 (CD132) (V B	CD132 E, A 17 E. coli B, 21 (DE3)
2.3. Construction of model of tertiary structure of chCD132	
CD132 C 2.0 (://	



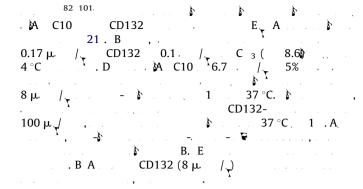
2.7. Kinetics analysis of chCD132 expression on Con A-stimulated SMCs

```
1640 .
                10 μ. /.
                                           C
                           C
                                      2500 /
                                                       (2 \times 10^{6})
                                                                 1640
                                                      4000 /
                              100 μ.,
                                                     CD132 \sim 60 \mu /
                                                        100 μ<sub>γ</sub> F C-
1
                               ₹ (1:400,
                                   A). C
                                                                   (1%
               , 0.02%
                              3, 2%
                                                     B ). C
                             FC 500
                                                            (B
                         , CA)
                                                     . C
```

2.8. Epitope mapping using a phage display peptide library

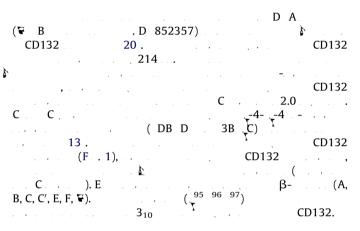


2.9. Competitive ELISA to identify the native epitope in chCD132

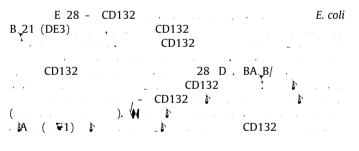


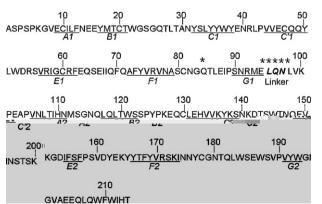
3. Results

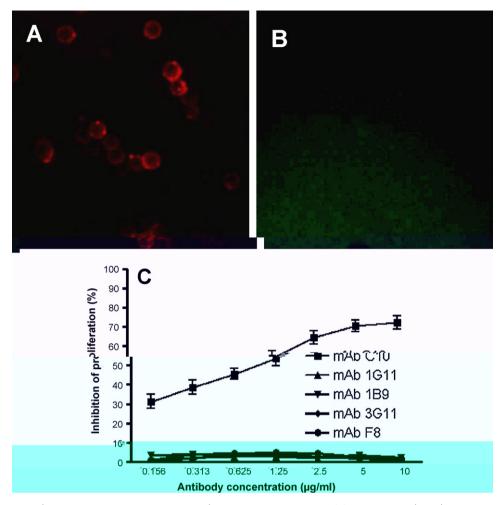
3.1. Sequence and structure of the chCD132 ectodomain

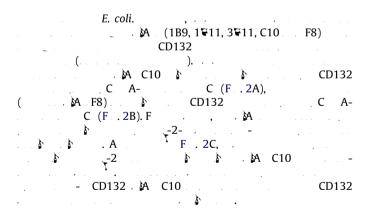


3.2. Expression of rchCD132 protein and generation of mAbs

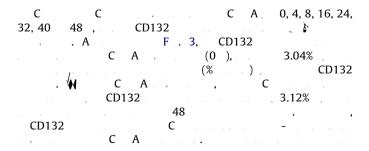


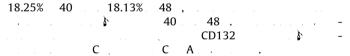


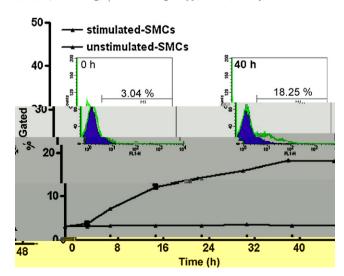




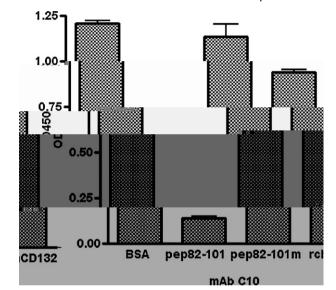
3.3. Kinetics of chCD132 expression on Con A-activated SMCs





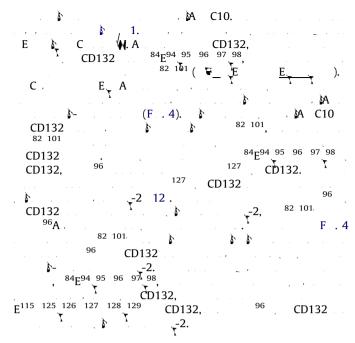


	=	F	D450	
			, jA ^j	вА
C10-1	₹ QD QNL	1/8	0.873	0.054
C10-2	D D HQNL .A	1/8	0.834	0.052
C10-3	EHQŅL ¹ A	1/8	0.835	0.059
C10-4	QE QN W A	1/8	0.882	0.058
C10-5	E _WQEHQNF	1/8	0.901	0.059
C10-6	WID QE, QN	1/8	0.743	0.066
C10-7	AQEHQNL W	1/8	0.505	0.087
C10-8	DQ WQNF _	1/8	0.868	0.068
C	QEHQNL '			

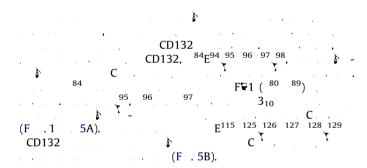


 $3.4. \ Mimotope \ motif of chCD132 \ selected \ by \ a \ phage \ display \ peptide \ library$

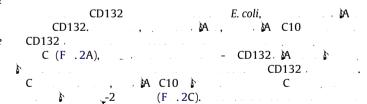
CD132.

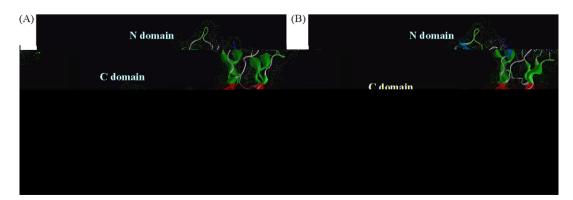


3.5. Location of the functional domain in the tertiary structure of chCD132



4. Discussion





CD132. 84_E94 95 96 97 98 E¹15 125 126 127 128 129 T_C CD132. E A (F . 4). CD132 ¹⁰³ CD132 CD132 τ⁻¹⁵ 22. 23,24. 128 129 130 131 132 CD132 7 CD132 22. 84E⁹⁴ 95 96 97 98 . CD132 CD132 11 13 . 🙀 CD132. CD132 F₩1 . D . (F . . . 1 D, (F . . 5B). CD132 C^{160} C^{209} 103 CD132 13. CD132 82 101 82 101 CD132 (F . 4), CD132 C CD132

Acknowledgements

F C (30625030 30771589), A -

References

1	, A , , , , ,
2	,A , , , , , , , , , , , , , , , , , ,
	1995·59·225 77
4	A , C, , , , , F D, .C : , , , , , , , , , , , , , , , , , ,
-	1998;70:1 81.
5	-2 , F A , A , W ,
6	1998;70:1 81. -2 -2 -2 -2 -2 -3 -2 -3 -4 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3
7	
8	-2 -4 1993;262:1880 3. F, C , C ,
0	-/
9	CD, Is 1993,262:1877 80. CD, IA
10	B F. A A 1990:87:6934 8.
11	b DID EN, A, A, N A.C
12	1993;262:1877 80. CD,
13	63. 7
	C 2000,122,250 72
14	C 2008;132:259 72. ,
15	7
16	C 2000;20:161 70. J, N J, C F, N J, F
17	98. 1, C J♥, ₩ 1, ₩ 1.♥ D A
18	98. J, C, Je, M, J, M, J, E, D, A -2. C, 2005;30:328 38. C, Je, C, J, M, J,
19	, ,
20	2006;580:4274 81.
21	B C 2002;299:321 7.
21	2
22	2005;18:549 57. A, D, D, CA,
	3474 83. 1998;161:
23	J B , M F E JB
24	F,
	2000;275:30100 5.