

Supplementary Materials: Human Monoclonal scFvs that Neutralize Fibrinolytic Activity of Kaouthiagin, a Zinc-Metalloproteinase in Cobra (*Naja kaouthia*) Venom

Jirawat Khanongnoi, Siratcha Phanthong, Onrapak Reamtong, Anchalee Tungtronchitr, Wanpen Chaicumpa and Nitat Sookrung

Table S1. LC-MS/MS Mascot result of in-gel tryptic digestion of recombinant human von Willebrand factor (r-hvWF)-binding protein of this study searching against NCBI nr database.

Protein	Orthologous protein of database	Accession no.	Molecular mass	Protein score	Matched peptide sequence (score)
<i>Naja kaouthia</i> venom component that bound to r-hvWF	Hemorrhagic metalloproteinase-disintegrin-like kaouthiagin of <i>Naja kaouthia</i>	P82942	44463 Da	54	FNGAGAEER (54.34) NGHPCQNNQGYCYNG K (14.3) GCFDLNMRGDDGSFCR (15.55)

Table S2. Percent amino acid homology of the HuscFv sequences from *E. coli* clones 15 and 20 with the closest human V region of the database.

HuscFv clone no.		The closest human V region	Percentage of amino acid homology with human FRs		
			FR1	FR2	FR3
15	VH	X92288 IGHV3-7*02	72.00	100.00	100.00
	VL	X59315 IGKV1*01	93.31	88.24	97.22
20	VH	M99648 IGH V2-26*01	96.00	100.00	100.00
	VL	M23090 IGKV3-15*01	7.69	94.12	91.67
61	VH	AC244456 IGHV3-30-3*01	44.00	94.12	78.95
	VL	X59315 IGKV1-39*01	3.85	5.88	91.67

Asterisk followed by two numbers indicates the allele polymorphism. FRs, Framework regions