K50098	8.3±0.9	>1,000	268±31
K51005	5.8±2.1	17±0.2	>1,000
K50031	5.4±0.1	13±0.3	>1,000
K51057	12±1	24±0.7	>1,000

[0197]

[Table 2]

Mouse KLK5, mouse KLK7, or mouse KLK14 inhibitory activity of each KLK5 inhibitory peptide

ID	IC_{50}(nM) for mKLK5	IC_{50}(nM) for mKLK7	IC_{50}(nM) for mKLK14
K51028	<0.5	77	>1,000
K50032	127	>1,000	>1,000
K50055	<0.5	>1,000	>1,000
K51069	<0.5	181	40
K51072	2	512	>1,000
K50015	<0.5	248	108
K50016	15	>1,000	>1,000
K51034	54	>1,000	>1,000
K50062	10	>1,000	>1,000
K51090	2	658	>1,000
K50098	14	>1,000	547
K51005	48	23	214
K50031	40	4	244
K51057	149	27	437

[0198]

(3-2) Evaluation of cross-reactivity of KLK5 inhibitory peptide

The specificities for other proteases were evaluated using the degradation of a substrate peptide as an index. As in the method described in (3-1), 25 μL each of a protease and a sample diluted with an assay buffer were mixed (to a final concentration of sample of 1 μM), followed by a reaction at 37°C for 20 minutes. Thereafter, 50 μL of a substrate diluted with an assay buffer was added thereto, and the fluorescence signal was measured using Enspire