

Caspase 9

I.

: APC09 : 20T, 50T, 100T
 : -20°C :

II.

Caspase

Caspase Cysteine aspartic

acid specific protease

caspase

Caspase 9

Caspase

c Caspase 9 c

Apaf1

Caspase 9

Caspase 3

Caspase 9 Ac-LEHD-pNA pNA (p-nitroaniline) pNA 405 nm
 Caspase 9 pNA Caspase 9
 100 µl 20 (20T) 100

(100T)

III.

	APC09-20	APC09-50	APC09-100
	20 T	50 T	100 T
	5 ml	12.5 ml	25 ml
	5 ml	12.5 ml	25 ml
Ac-LEHD-pNA (2mM)	200 µl	100 µl × 5	200 µl × 5
pNA (10mM)	200 µl	500 µl	1 ml

IV.

1. 5. 1×PBS
2. (100 µl) 6.
3. 7. Bradford ()
4. 96 8. ()

V.

4°C

pNA

1. = 9:1
2. pNA (10 mM) pNA 200 µM 100 µM 50 µM 20 µM 10 µM

Product For Research Use Only rev: APC09-01

MultiSciences Biotech Co., Ltd

Technical Service: tech@liankebio.com To place an order: order@liankebio.com



3. pNA 200 μM 100 μM 50 μM 20 μM 10 μM 0 μM 100 μl 96
 100 μl 405 nm A₄₀₅
 4. A₄₀₅ pNA A₄₀₅ pNA pNA pNA
 x A₄₀₅ y pNA A₄₀₅ (pNA
)

1.
 1a. 2000 rpm 4°C 5
 PBS 200 100 μl
 30 3 - 4

2
 1b. PBS 2000 rpm 4°C 5
 PBS 200 100 μl
 30 3 - 4

2
 1c. 5 - 10 mg 100 μl
 1.5 ml 5 - 10 2
 2. 12000 rpm 4°C 15 1.5 ml Caspase 9 -70°C
 3. () BCA Bradford
 1 - 3 mg/ml

Caspase 9

1. Ac-LEHD-pNA(2 mM)
 2.

	40 μl	40 μl
	50 μl	0 μl
	0 μl	50 μl
Ac-LEHD-pNA(2 mM)	10 μl	10 μl
	100 μl	100 μl

3. Ac-LEHD-pNA(2 mM)

4. 37°C 2 - 4 A₄₀₅

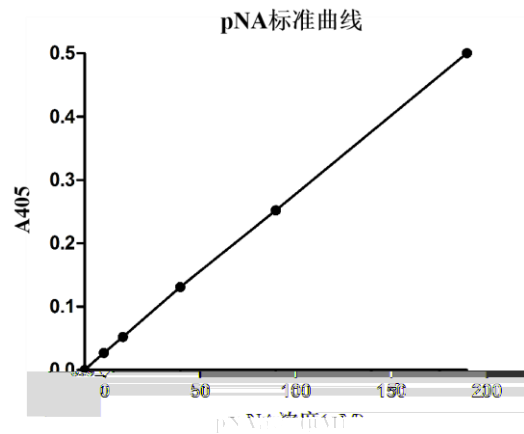
5. A₄₀₅ A₄₀₅ Caspase 9 pNA
 pNA

6. Bradford () DTT BCA
Caspase 9 Caspase 9
7. Caspase 9 Caspase $A_{405}/$
 $A_{405} \times 100\%$
8. Chemicon Caspase 9 one unit is the amount of enzyme that will cleave 1.0
nmol of the colorimetric substrate Ac-LEHD-pNA per hour at 37°C under saturated substrate concentrations
37°C 1 nmol Ac-LEHD-pNA 1
nmol pNA Caspase 9 Caspase 9
0.2 mM
37°C 2 Caspase 9

V.

1. pNA

μM	A_{405}		Average	Corrected
200	0.544	0.538	0.541	0.500
100	0.295	0.292	0.294	0.252
50	0.173	0.172	0.173	0.131
20	0.094	0.093	0.094	0.052
10	0.068	0.068	0.068	0.027
0	0.041	0.042	0.042	0.000



2. HL60 10 μM 4 h Caspase 9

	A_{405}		Average	Corrected
	0.044	0.046	0.044	0.045
	0.122	0.122	0.125	0.078
	0.348	0.350	0.343	0.302

VI.

1. A_{405} A_{400} 405 nm 400 nm 100 μl
2. Ac-LEHD-pNA pNA
3. Bradford (PQ0041)
4. Caspase
Caspase

Product For Research Use Only rev: APC09-01

MultiSciences Biotech Co., Ltd

Technical Service: tech@liankebio.com

To place an order: order@liankebio.com

- | | | | |
|----|------------------|---------|------------------|
| 5. | A ₄₀₅ | Caspase | |
| | 1 - 3 mg/ml | Caspase | A ₄₀₅ |
| | | | 50 µl |
| 6. | 50 µl | 50 µl | |
| 7. | | | |
| 8. | | | |

VII.

AP101	Annexin V-FITC/PI apoptosis kit	30T/60T/100T
AP104	Annexin V-PE/7-AAD apoptosis kit	30T/60T/100T
AP105	Annexin V-APC/7-AAD apoptosis kit	30T/60T/100T
AP107	Annexin V-APC/PI apoptosis kit	30T/60T/100T
AP108	Annexin V-EGFP/PI apoptosis kit	30T/60T/100T
AP109	Annexin V-EGFP/7-AAD apoptosis kit	30T/60T/100T
AP-30-PCS	Apoptosis Positive Control Solution	5 ml
APC03	Caspase 3	20T/100T
APC08	Caspase 8	20T/100T
APO001	Direct TUNEL Apoptosis Assay Kit	50T
AT001	Accutase	100 ml
AT101	Annexin V-FITC/PI apoptosis kit()	30T/60T/100T
AT104	Annexin V-PE/7-AAD apoptosis kit()	30T/60T/100T
AT105	Annexin V-APC/7-AAD apoptosis kit()	30T/60T/100T
AT107	Annexin V-APC/PI apoptosis kit()	30T/60T/100T
AT108	Annexin V-EGFP/PI apoptosis kit()	30T/60T/100T
AT109		

Product For Research Use Only rev: APC09-01

MultiSciences Biotech Co., Ltd

Technical Service: tech@liankebio.com

To place an order: order@liankebio.com