Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2
250
150
100
75
50
37
25
20
15
10
STAT3 (79KD)

Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
25
20
15
STAT3
SMAD2
SMAD3
GAPDH
Phospho STAT3, SMAD2/3, GAPDH

Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
25
20
15
STAT3
SMAD2
SMAD3
GAPDH
TOTAL STAT3, SMAD2/3, GAPDH

Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2
250
150
100
75
50
37
25
20
15
10
phosphol STAT3 (79KD)

STAT5 (90kd)
250
150
100
75
50
37
25
20
15
10
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2

Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
25
20
15
phosphol STAT5

total STAT5 (90kd)
250
150
100
75
50
37
25
20
15
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2

total STAT5
Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3

Phospho ERK1/2 (42kd)
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2
250
150
100
75
50
37
25
20
15
10

Phospho ERK1/2 (42kd)
Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
20
15
GAPDH

TOTAL ERK1/2 (42 kd)
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2
250
150
100
75
50
37
25
20
15
10

Total ERK1/2
Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
20
15
10
GAPDH

SMAD2/3 (55-60)
250
150
100
75
50
37
25
20
15
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2

Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
25
20
15
STAT3
SMAD2
SMAD3
GAPDH
Phospho STAT3, SMAD2/3, GAPDH

phospho-smad2/3 (55-60kd)
150
100
75
50
37
25
20
15
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2

Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
25
20
15
STAT3
SMAD2
SMAD3
GAPDH
TOTAL STAT3, SMAD2/3, GAPDH

phospho-p38 (41kd)
250
150
100
75
50
37
25
20
15
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2

phoshpo P38
250
150
100
75
50
37
25
20
Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
124000

total p38 (41kd)
250
150
100
75
50
37
25
20
15
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2

P38
250
150
100
75
50
37
25
20
Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
213000

GAPDH (37kd)
250
150
100
75
50
37
25
20
15
Control 1
Control 2
IL8 15 #1
IL8 15 #2
IL8 30 #1
IL8 30 #2
IL8 1h #1
IL8 1h #2
IL8 3h #1
IL8 3h #2
IL8 12h #1
IL8 12h #2

Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
25
20
15
STAT3
SMAD2
SMAD3
GAPDH
Phospho STAT3, SMAD2/3, GAPDH

Control #3
IL8 15m #3
IL8 30m #3
IL8 1hr #3
IL8 3hr #3
IL8 12hr #3
250
150
100
75
50
37
25
20
15
STAT3
SMAD2
SMAD3
GAPDH
TOTAL STAT3, SMAD2/3, GAPDH