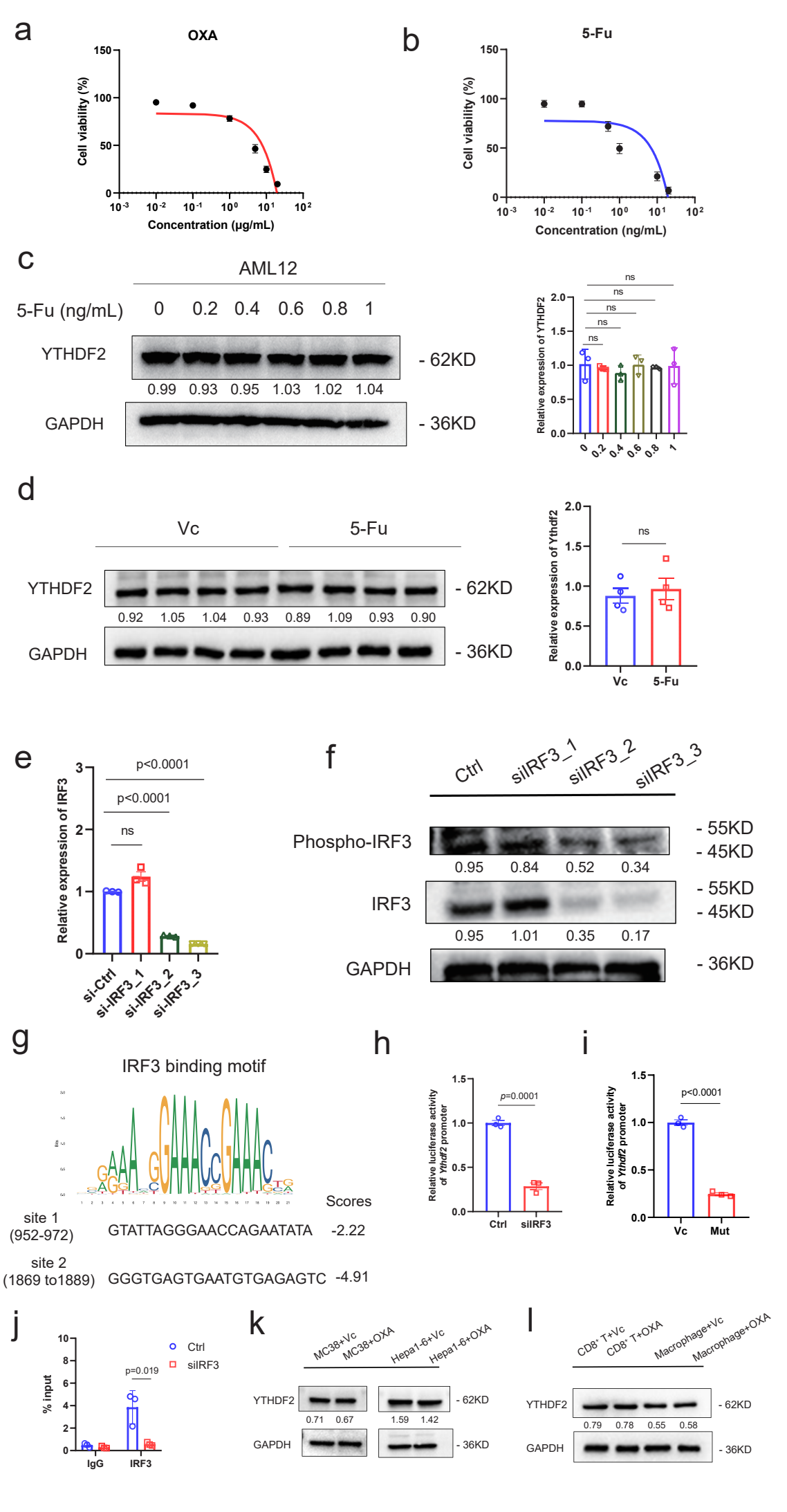
a
OXA
Cell viability (%)
Concentration (μg/mL)
b
5-Fu
Cell viability (%)
Concentration (ng/mL)
c
AML12
5-Fu (ng/mL) 0 0.2 0.4 0.6 0.8 1
YTHDF2
- 62KD
0.99 0.93 0.95 1.03 1.02 1.04
GAPDH
- 36KD
Relative expression of YTHDF2
ns
d
Vc
5-Fu
YTHDF2
- 62KD
0.92 1.05 1.04 0.93 0.89 1.09 0.93 0.90
GAPDH
- 36KD
Relative expression of Ythdf2
ns
Vc
5-Fu
e
Relative expression of IRF3
p<0.0001
p<0.0001
ns
si-Ctrl
si-IRF3_1
si-IRF3_2
si-IRF3_3
f
Ctrl
siIRF3_1
siIRF3_2
siIRF3_3
Phospho-IRF3
- 55KD
- 45KD
0.95 0.84 0.52 0.34
IRF3
- 55KD
- 45KD
0.95 1.01 0.35 0.17
GAPDH
- 36KD
g
IRF3 binding motif
Scores
site 1 (952-972) GTATTAGGGAACCAGAATATA -2.22
site 2 (1869 to1889) GGGTGAGTGAATGTGAGAGTC -4.91
h
Relative luciferase activity of Ythdf2 promoter
p=0.0001
Ctrl
siIRF3
i
Relative luciferase activity of Ythdf2 promoter
p<0.0001
Vc
Mut
j
% input
Ctrl
siIRF3
p=0.019
IgG
IRF3
k
MC38+Vc
MC38+OXA
Hepa1-6+Vc
Hepa1-6+OXA
YTHDF2
- 62KD
0.71 0.67 1.59 1.42
GAPDH
- 36KD
l
CD8⁺ T+Vc
CD8⁺ T+OXA
Macrophage+Vc
Macrophage+OXA
YTHDF2
- 62KD
0.79 0.78 0.55 0.58
GAPDH
- 36KD