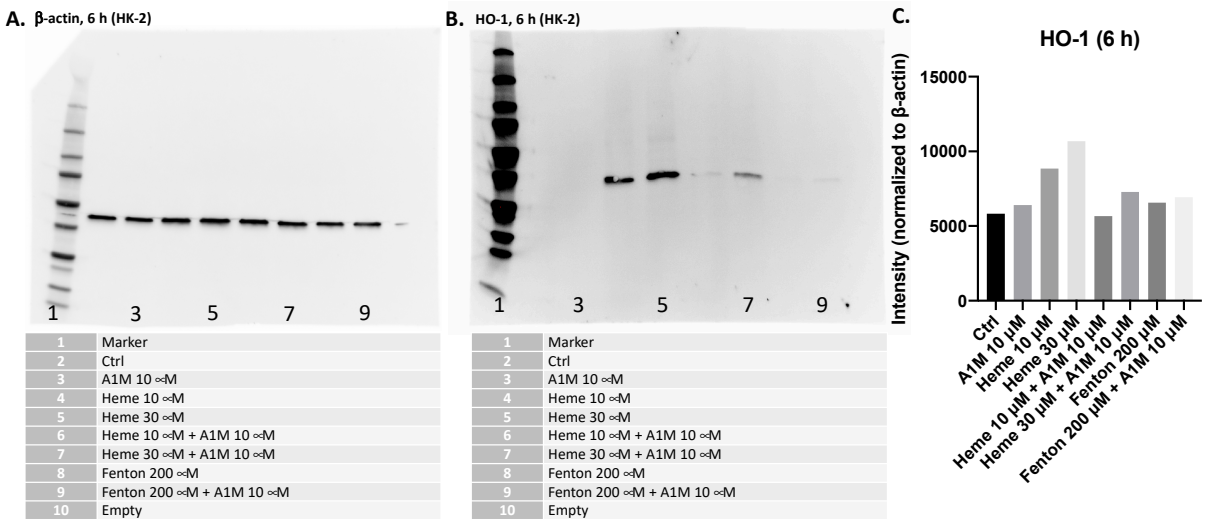
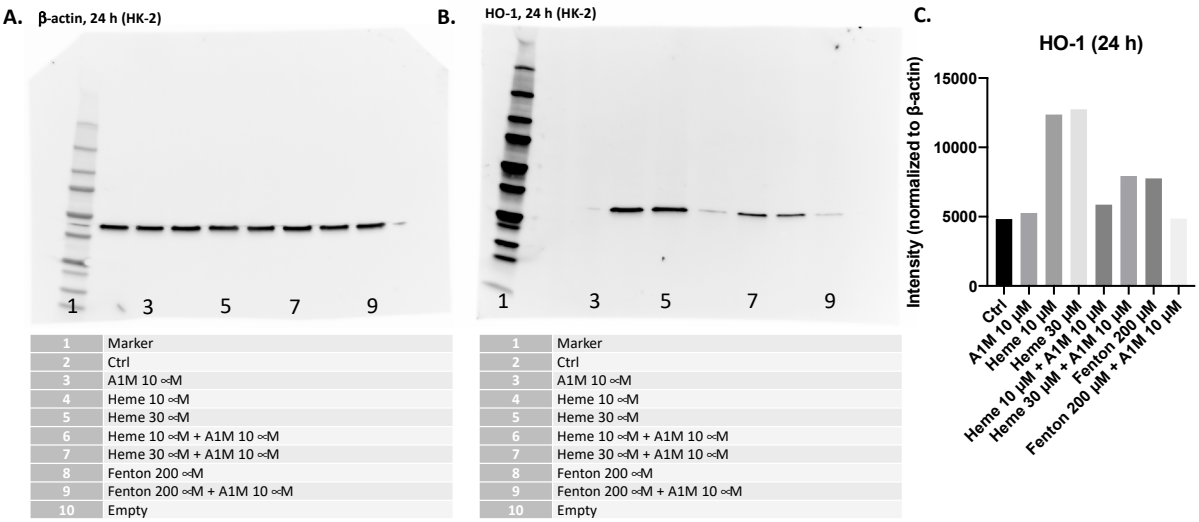
Supplementary Material



1	Marker
2	Ctrl
3	A1M 10 ∝M
4	Heme 10 ∝M
5	Heme 30 ∝M
6	Heme 10 ∝M + A1M 10 ∝M
7	Heme 30 ∝M + A1M 10 ∝M
8	Fenton 200 ∝M
9	Fenton 200 ∝M + A1M 10 ∝M
10	Empty

1	Marker
2	Ctrl
3	A1M 10 ∝M
4	Heme 10 ∝M
5	Heme 30 ∝M
6	Heme 10 ∝M + A1M 10 ∝M
7	Heme 30 ∝M + A1M 10 ∝M
8	Fenton 200 ∝M
9	Fenton 200 ∝M + A1M 10 ∝M
10	Empty

Supplementary figure S1. Uncropped western blots from figure 2 with β-actin (**A**) and HO-1 (**B**) after 6 h. The bar graph represents densitometric calculations of HO-1 normalized to β-actin (**C**) presented as intensity.

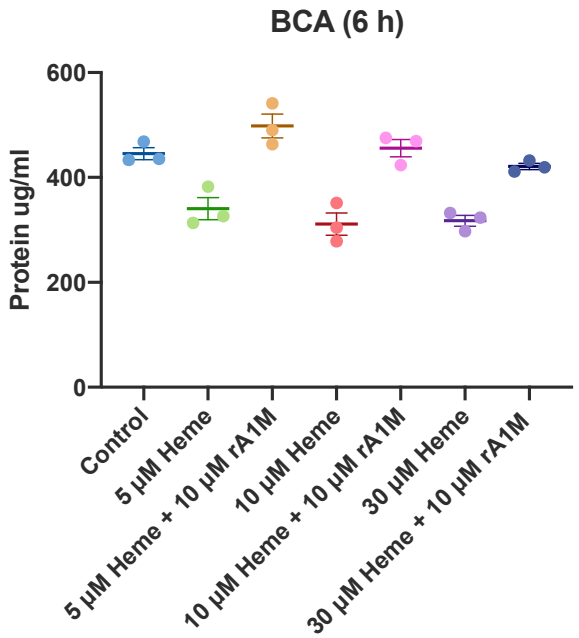


1	Marker
2	Ctrl
3	A1M 10 ∝M
4	Heme 10 ∝M
5	Heme 30 ∝M
6	Heme 10 ∝M + A1M 10 ∝M
7	Heme 30 ∝M + A1M 10 ∝M
8	Fenton 200 ∝M
9	Fenton 200 ∝M + A1M 10 ∝M
10	Empty

1	Marker
2	Ctrl
3	A1M 10 ∝M
4	Heme 10 ∝M
5	Heme 30 ∝M
6	Heme 10 ∝M + A1M 10 ∝M
7	Heme 30 ∝M + A1M 10 ∝M
8	Fenton 200 ∝M
9	Fenton 200 ∝M + A1M 10 ∝M
10	Empty

Supplementary figure S2. Uncropped western blots from figure 2 with β-actin (**A**) and HO-1 (**B**) after 24 h. The bar graph represents densitometric calculations of HO-1 normalized to β-actin (**C**) presented as intensity.

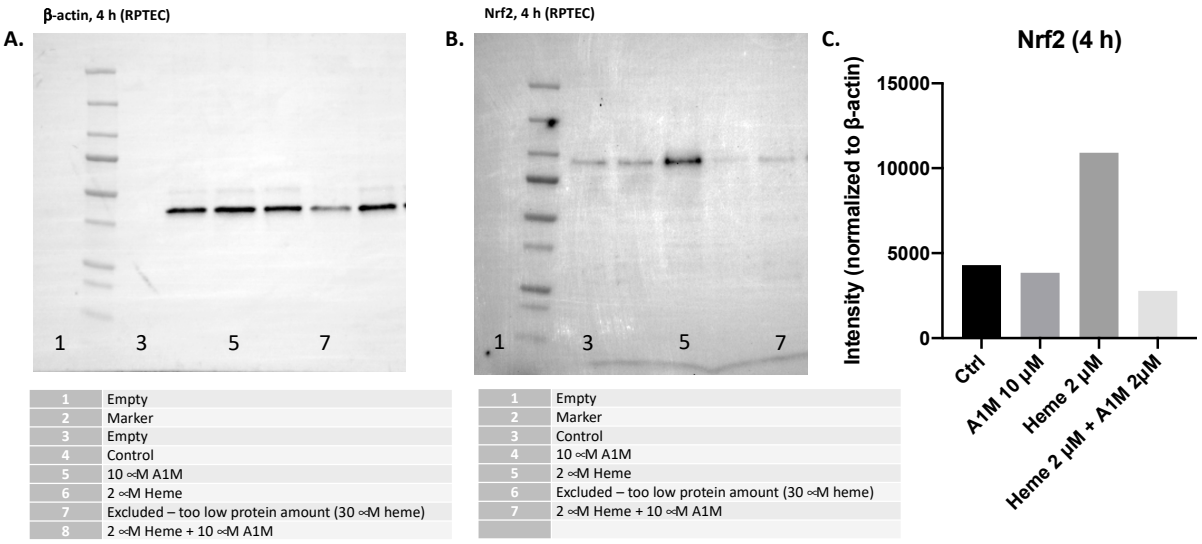
A.



B.

Sample	µg/ml
Control	445
Heme 5 µM	340
Heme 10 µM	311
Heme 30 µM	317
Heme 5 µM + A1M	498
Heme 10 µM + A1M	455
Heme 30 µM + A1M	420
A1M	569

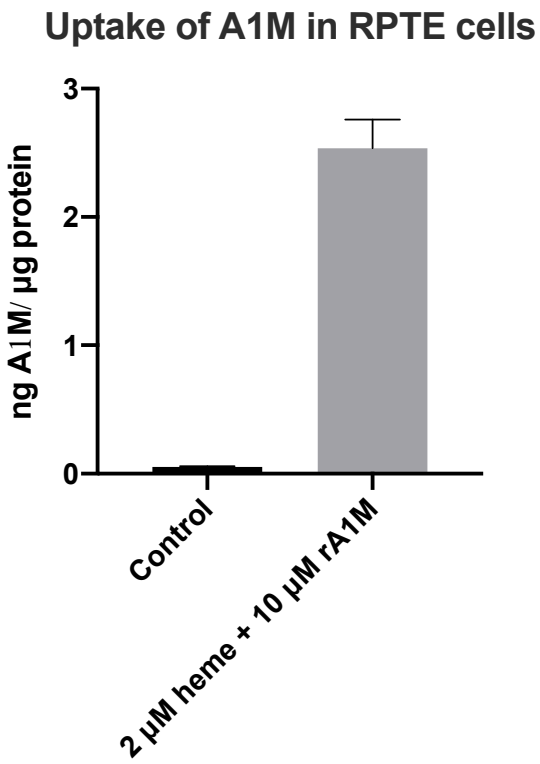
Supplementary figure S3. BCA results used for Seahorse normalization. BCA was measured after incubation with heme with or without A1M (**A**) and the calculated mean (**B**) was used to correct OCR after treatment and incubation (n = 3).



1	Empty
2	Marker
3	Empty
4	Control
5	10 ∝M A1M
6	2 ∝M Heme
7	Excluded – too low protein amount (30 ∝M heme)
8	2 ∝M Heme + 10 ∝M A1M

1	Empty
2	Marker
3	Control
4	10 ∝M A1M
5	2 ∝M Heme
6	Excluded – too low protein amount (30 ∝M heme)
7	2 ∝M Heme + 10 ∝M A1M

Supplementary figure S4. Uncropped western blots from figure 4 with β-actin (**A**) and Nrf2 (**B**) after 4 h. The bar graph represents densitometric calculations of Nrf2 normalized to β-actin (**C**) presented as intensity with control set to 1.



Supplementary figure S5. Uptake of A1M in RPTE cells analyzed with radioimmunoassay. Cells were incubated 2 h with 2 μM heme and 10 μM rA1M. Results are adjusted for BCA content and presented as mean (± SEM).