

a

FLAG-S	-	+	+	+
HIS-GAS6	+	-	+	++
FLAG-S				
IB: FLAG				
HIS-GAS6				
IB: HIS				
	INPUT		Pulldown	

b

SARS-CoV-2 virus pseudotype		
PBS	GAS6	
		24h
		BF

c

Condition	GFP intensity
PBS	~150
GAS6	~150 (ns.)

d

SARS-CoV-2 virus pseudotype			
PBS	1 μ g/mL	10 μ g/mL	
			24h
			BF

e

Condition	GFP intensity
PBS	~100
1 μ g/mL	~100 (ns.)
10 μ g/mL	~95 (ns.)

f

FBS -			
SARS-CoV-2 virus pseudotype			
NC	NC	si-AXL	
			24h
			BF

g

Condition	GFP intensity
NC	~10
NC +	~105
si-AXL +	~25 (*)

Supplementary information, Fig. S7

Supplementary information, Fig. S7 GAS6 and Protein S in serum are dispensable in AXL-induced SARS-CoV-2 virus pseudotype infection. a GAS6 does not bind SARS-CoV-2 S. In vitro pull-down assay of SARS-CoV-2 S and GAS6. FLAG-tagged SARS-CoV-2 S and His-tagged GAS6 were purified and co-incubated for 1 h. Blots with antibodies recognizing the FLAG- or His-epitope tags are shown. **b** GAS6 does not promote AXL-induced SARS-CoV-2 virus pseudotype infection. HEK293T cells were transfected with AXL, incubated with GAS6

recombinant protein, infected with the GFP-labeled SARS-CoV-2 virus pseudotype, and visualized by microscopy at 24 h post infection. The scale bar indicates 250 μm . **c** The fluorescence intensities in (b) were quantitated as indicated. **d** Protein S is dispensable in AXL-induced SARS-CoV-2 virus pseudotype infection. H1299 cells were maintained in serum-free medium. Cells were transfected with siRNA against AXL or control siRNA, infected with the GFP-labeled SARS-CoV-2 pseudotype, and visualized by microscopy at 24 h post infection. The scale bar indicates 250 μm . **e** The fluorescence intensities in (d) were quantitated as indicated. **f** Soluble GAS6 protein does not promote SARS-CoV-2 virus pseudotype infection. H1299 cells were maintained in serum-free medium. Human recombinant GAS6 recombinant protein (1 or 10 $\mu\text{g/ml}$) was mixed with the SARS-CoV-2 virus pseudotype for 30 min and then added to the culture medium of H1299 cells. The cells were washed at 2 h post infection, incubated with fresh medium, and visualized by microscopy at 24 h post infection. The scale bar indicates 250 μm . **g** The fluorescence intensities in (f) were quantitated as indicated. The data shown are representative results from three independent experiments (a-g, $n = 3$). The data are shown as the mean $\pm$ SEM from three independent experiments. *P* values were calculated using two-way ANOVA (* $p < 0.05$, ns. not significant).