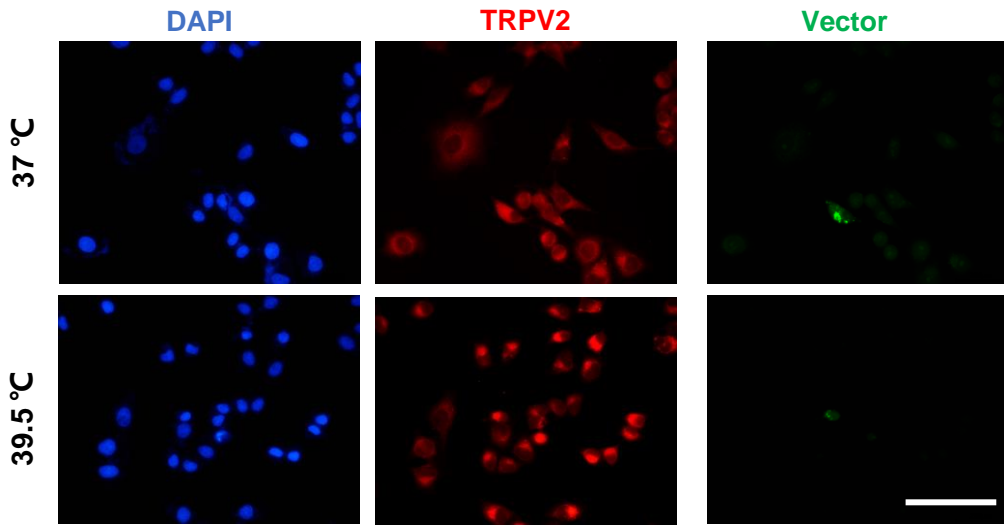


TRPV2–spike protein interaction mediates the entry of SARS-CoV-2 into macrophages in febrile conditions

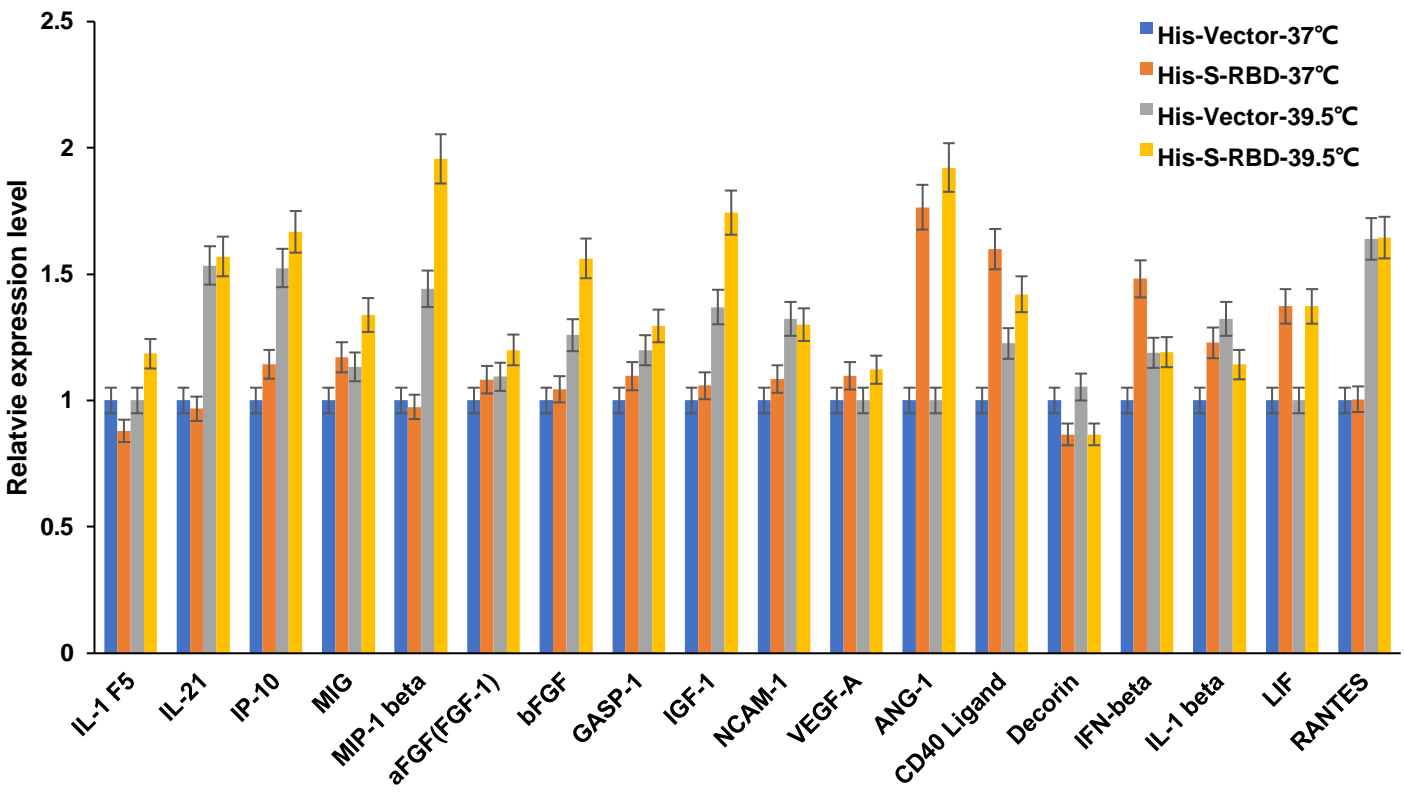
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Figure.S1



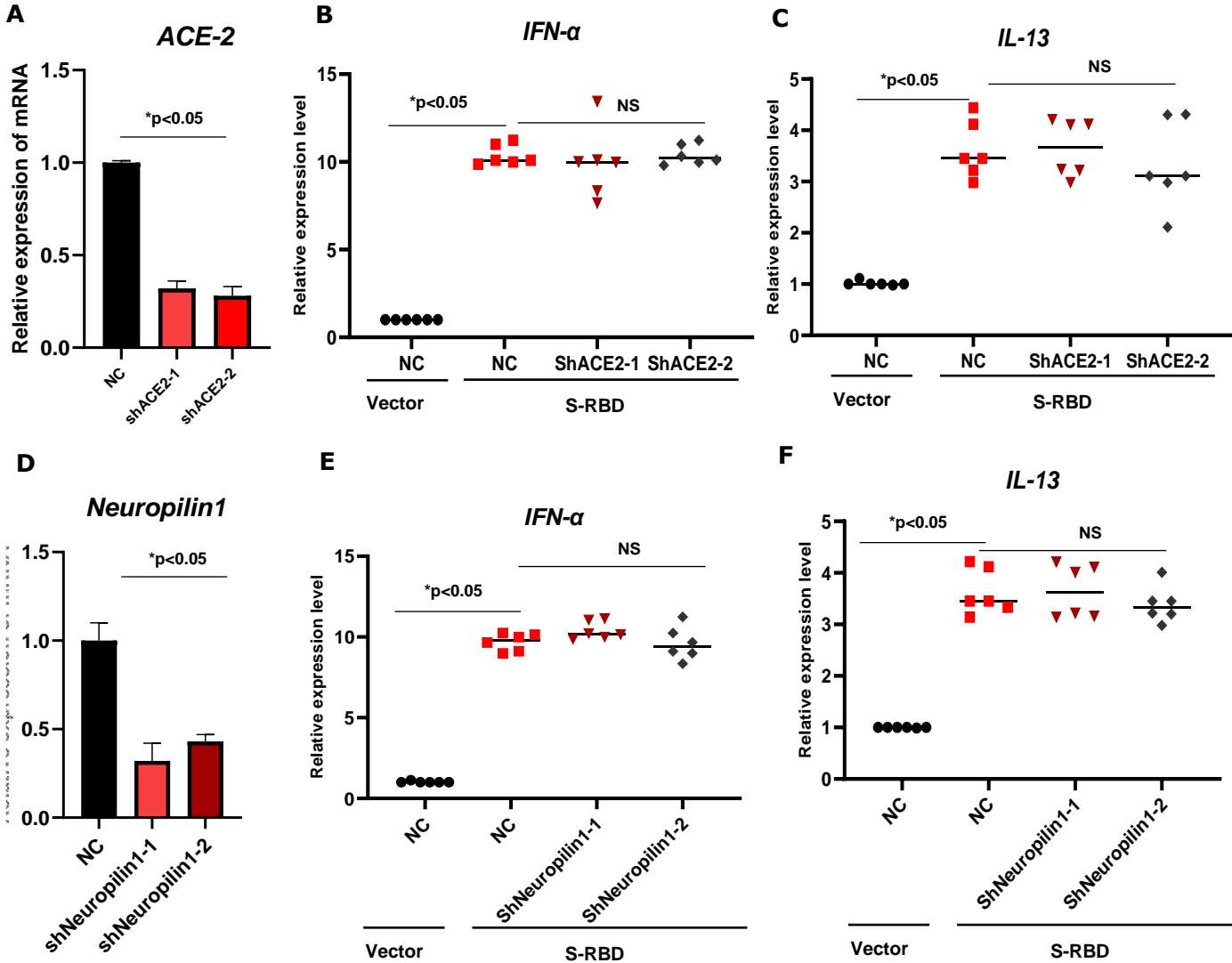
IF performed with primary anti-TRPV2 and anti-His antibodies.
DAPI: nuclear staining. Scale bars represent 20 μm .

Figure.S2



The cytokines amount for IL-1 F5, IL-21, IP-10, MIG, etc. were not significantly affected in His-S-RBD treatment group under 39.5 °C vs control group.

Figure.S3



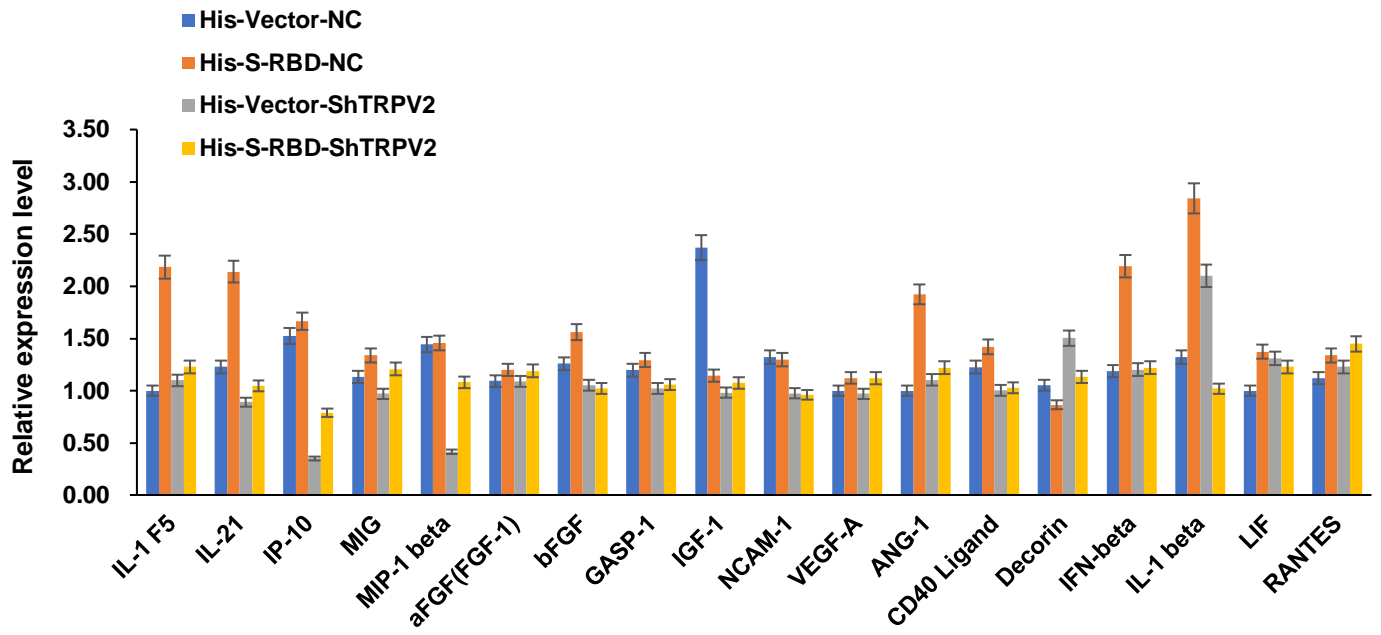
(A) Depletion of ACE-2 in PBAMs using specific shRNAs was performed via lenti-virus transfection. Data are shown as the mean \pm SD from three independent experiments. *p < 0.05.

(B) (C) Compared with the control group, the His-S-RBD treatment group has a significant effect on IFN- α (B), IL-13(C) when the temperature is at 39.5 °C. In the ShACE2-1 and -2 groups, there was no significant difference between the S-RBD treatment and the NC group. Data are shown as the mean \pm SD from six independent experiments. *p < 0.05.

(D) Depletion of Neuropilin1 in PBAMs using specific shRNAs was performed via lenti-virus transfection. Data are shown as the mean \pm SD from three independent experiments. *p < 0.05. NS: no significant.

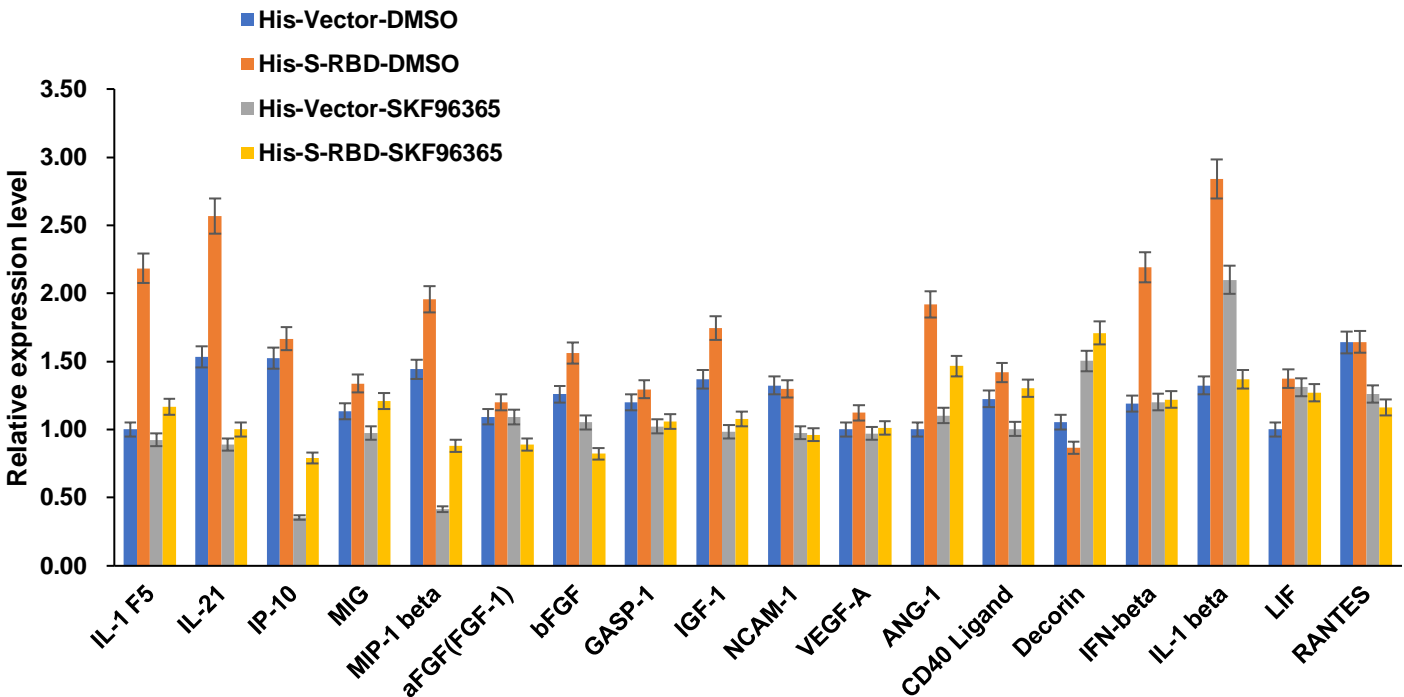
(E) (F) Compared with the control group, the His-S-RBD treatment group has a significant effect on IFN- α (E), IL-13(F) when the temperature is at 39.5 °C. In the ShNeuropilin-1 and -2 groups, there was no significant difference between the S-RBD treatment and the NC group. Data are shown as the mean \pm SD from six independent experiments. *p < 0.05.

Figure.S4



The cytokines amount for IL-1 F5, IL-21, IP-10, MIG, etc. were not significantly affected in His-S-RBD-shTRPV2 vs control group under 39.5 °C.

Figure.S5



The cytokines amount for IL-1 F5, IL-21, IP-10, MIG, etc. were not significantly affected in His-S-RBD-SKF96365 vs control group under 39.5 °C.