Supplemental Table S1. Compounds and materials used in this study

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| Compounds and materials | Reference | Source |
| Physiological saline | H36021660 | Runzhe pharmaceutical industry |
| Phosphate buffered saline (PBS) | PTG0021 | Boster Biotechnology |
| Recombinant murine IFN-g | 315-05 | Peprotech |
| Recombinant guinea pig IFN-g | LS-G11391 | LSBio |
| Hoechst 33342 | B2261 | Sigma |
| AF594-conjugated donkey anti-rabbit IgG | ab150064 | abcam |
| AF488-conjugated goat anti-mouse IgG | ab150113 | abcam |
| HRP-conjugated Affinipure Goat Anti-Rabbit IgG | SA00001-2 | Proteintech |
| HRP-conjugated Affinipure Goat Anti-Mouse IgG | SA00001-1 | Proteintech |
| Polyvinylidene fluoride (PVDF) membrane | ISEQ00010 | Millipore |
| A rabbit monoclonal antibody against Phospho-ERK1/2 | 4370T | Cell Signaling |
| A rabbit polyclonal antibody against Phospho-JAK2 | PA599341 | Thermo Fisher Scientific |
| A mouse monoclonal antibody against Phospho-Stat1 | sc-136229 | Santa Cruz Biotechnology |
| Triton X-100 | T8787 | Sigma |
| Fixable Viability Stain 780 (FVS780) | 565388 | BD Biosciences |
| Erythrocytes Lysing Buffer | 349202 | BD Biosciences |
| Cytofix/Cytoperm solution | 554714 | BD Biosciences |
| The total protein assay kit | A045-3 | Nanjing Jiancheng Bioengineering Institute |
| Pentobarbital sodium | P3761 | Merk |
| PE-Cy7 Mouse anti-Ki-67 | 561283 | BD Bioscience |
| BV421 Hamster Anti-Mouse CXCR3 | 562937 | BD Bioscience |
| BV510 Rat Anti-Mouse CD4 | 743155 | BD Bioscience |
| PE Rat Anti-mouse IFN-g | 554412 | BD Bioscience |
| AF647 Rat Anti-Mouse CD8a | 557682 | BD Bioscience |
| PerCP-Cy5.5 Hamster Anti-mouse CD3e | 551163 | BD Bioscience |
| PerCP-Cy5.5 Hamster IgG1, κ Isotype Control | 553975 | BD Bioscience |
| BV510 Rat IgG2b, κ Isotype Control | 562951 | BD Bioscience |
| AF647 Rat IgG2a, κ Isotype Control | 557690 | BD Bioscience |
| PE Rat IgG1, κ Isotype Control | 554685 | BD Bioscience |
| BV421 Hamster IgG1, κ Isotype Control | 562601 | BD Bioscience |
| Murine Fc receptor blocking | 130-092-575 | Miltenyi Biotechnology |
| Fetal bovine serum | 10099141 | Gibco |
| Sodium Azide | S2002 | Sigma |
| Blocking buffer | P0102 | Beyotime |
| Hematoxylin-Eosin | BA-4098 | BASO Biotechnology |
| Ethylenediamine tetraacetic acid (EDTA) | E6758 | Sigma |
| Sodium dodecyl sulfate (SDS) | 3250GR500 | Biofroxx |
| Sodium deoxycholate | S817543 | Macklin |
| Phenylmethylsulfonyl fluoride | P8340 | Solarbio Life Sciences |
| Dithiothreitol | D806827 | Macklin |
| protease inhibitor cocktail | P1860 | sigma |
| Type IV collagenase | 17104019 | Gibco |
| DNase I | 10104159001 | Merck |
| Calcium-free and magnesium-free Hank’s Balanced Salt Solution | C0219 | Jinuo Biotechnology |
| RPMI 1640 Medium | 72400047 | Gibco |
| Bovine serum albumin | ST023 | Beyotime |
| Capsaicin | 404-86-4 | Tokyo Chemical Industry |
| AMG487 | S8682 | Selleck |
| Cell Counting Kit-8 (CCK8) | K1018 | APExBIO |
| Dimethyl Sulfoxide (DMSO) | DMSO-219605580 | MP Biomedicals |
| Polyethylene glycol 300 (PEG300) | S6704 | Selleck |
| Tween-80 | HY-Y1891 | MedchemExpress |
| Citric acid | 251275 | Sigma |
| Mouse IFN-gamma Quantikine ELISA Kit | MIF00 | R&D Systems |
| Mouse IP-10 ELISA Kit | abs520013 | Absin |