

STAT5 alpha/beta Monoclonal Antibody (ST5-8F7)

Product Details

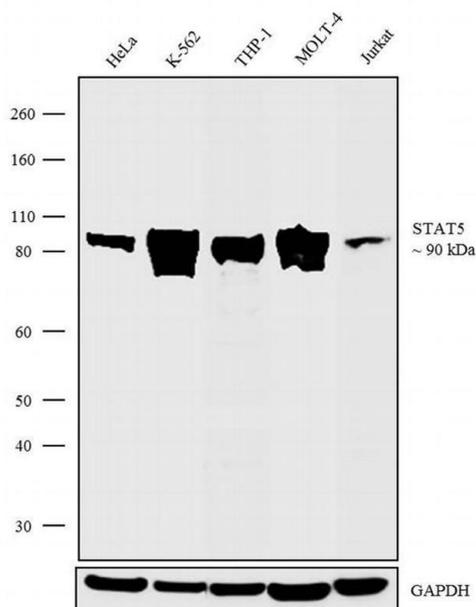
| | |
|--------------------|---|
| Size | 100 µg |
| Species Reactivity | Human, Mouse, Rat |
| Published Species | Mouse, Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Class | Monoclonal |
| Type | Antibody |
| Clone | ST5-8F7 |
| Conjugate | Unconjugated |
| Immunogen | A peptide corresponding to a conserved amino acid sequence found near the carboxy-terminus of murine STAT5. This peptide encompasses the conserved C-terminal tyrosine phosphorylation site (Y-694) of murine STAT5 |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.4 |
| Contains | 0.1% sodium azide |
| Storage conditions | -20°C |
| RRID | AB_2533129 |

| Applications | Tested Dilution | Publications |
|------------------------------|-----------------|----------------|
| Western Blot (WB) | 1-3 µg/mL | 5 Publications |
| Immunocytochemistry (ICC/IF) | 5 µg/mL | - |
| Flow Cytometry (Flow) | - | 1 Publication |
| ELISA (ELISA) | Assay-dependent | - |

Product Images For STAT5 alpha/beta Monoclonal Antibody (ST5-8F7)

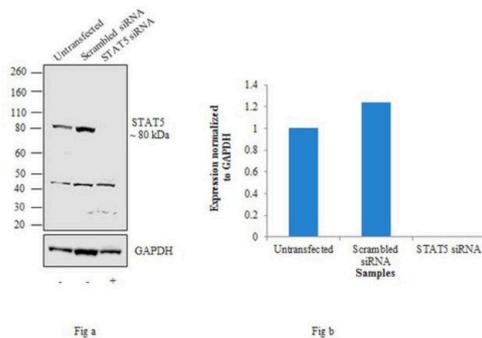
STAT5 alpha/beta Antibody (33-5900) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of HeLa (Lane 1), K-562 (Lane 2), THP-1 (Lane 3), MOLT-4 (Lane 4) and Jurkat (Lane 5). The blot was probed with Anti-STAT5 Mouse Monoclonal Antibody (Product # 33-5900, 2 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 90 kDa band corresponding to STAT5 was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



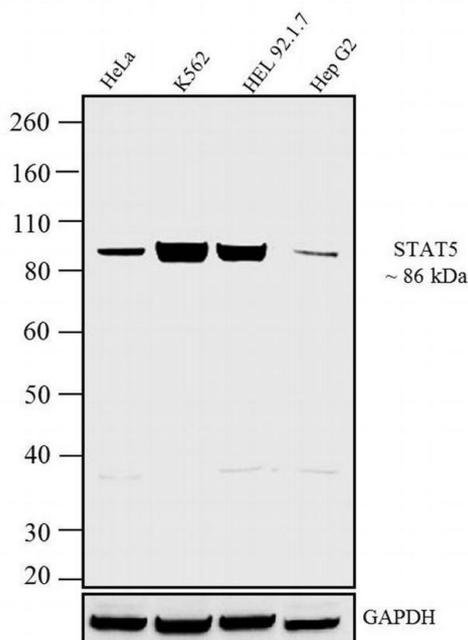
STAT5 alpha/beta Antibody (33-5900)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with STAT5 siRNA and decrease in signal intensity was observed in western blot application using anti-STAT5 Mouse monoclonal antibody (Product # 33-5900). {KD}



STAT5 alpha/beta Antibody (33-5900) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), K562 (Lane 2), HEL 92.1.7 (Lane 3) and Hep G2 (Lane 4). The blots were probed with Anti-STAT5 Mouse Monoclonal Antibody (Product # 33-5900, 1-3 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 86 kDa band corresponding to STAT5 was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with Pierce™ Power Blotter System (22834). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



View more figures on [thermofisher.com](https://www.thermofisher.com)

6 References

Western Blot (5)

Leukemia

Mutant JAK3 phosphoproteomic profiling predicts synergism between JAK3 inhibitors and MEK/BCL2 inhibitors for the treatment of T-cell acute lymphoblastic leukemia.

"Published figure using STAT5 alpha/beta monoclonal antibody (Product # 33-5900) in Western Blot"

Authors: Degryse S, de Bock CE, Demeyer S, Govaerts I, Bornschein S, Verbeke D, Jacobs K, Binos S, Skerrett-Byrne DA, Murray HC, Verrills NM, Van Vlierbergh P, Cools J, Dun MD

Year
2018

Autophagy

Common -chain cytokine signaling is required for macroautophagy induction during CD4+ T-cell activation.

"Published figure using STAT5 alpha/beta monoclonal antibody (Product # 33-5900) in Western Blot"

Authors: Botbol Y, Patel B, Macian F

Year
2016

Species
Mouse

[View more WB references on thermofisher.com](#)

Flow Cytometry (1)

Journal of immunology (Baltimore, Md. : 1950)

Viral FLIP impairs survival of activated T cells and generation of CD8+ T cell memory.

Authors: Wu Z, Roberts M, Porter M, Walker F, Wherry EJ, Kelly J, Gadina M, Silva EM, DosReis GA, Lopes MF, O'Shea J, Leonard WJ, Ahmed R, Siegel RM

Year
2004

Species
Mouse

More applications with references on thermofisher.com

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