Anti-STAT1 Mouse Monoclonal Antibody

Catalog #: 3738

Aliases

STAT1; Signal Transducer And Activator Of Transcription 1; Transcription Factor ISGF-3 Components P91/P84; STAT91; ISGF-3; Signal Transducer And Activator Of Transcription 1-Alpha/Beta; Signal Transducer And Activator Of Transcription 1, 91kDa; Signal Transducer And Activator Of Transcription 1, 91kD; CANDF7; IMD31A; IMD31B; IMD31C

Background

Gene Name: STAT1
NCBI Gene Entry: 6772
UniProt Entry: P42224

Application Information

Molecular Weight: Predicted, 87 kDa; observed, 87 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 24GB7145
Species Reactivity: Mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human STAT1

Isotype

Mouse IgG1

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

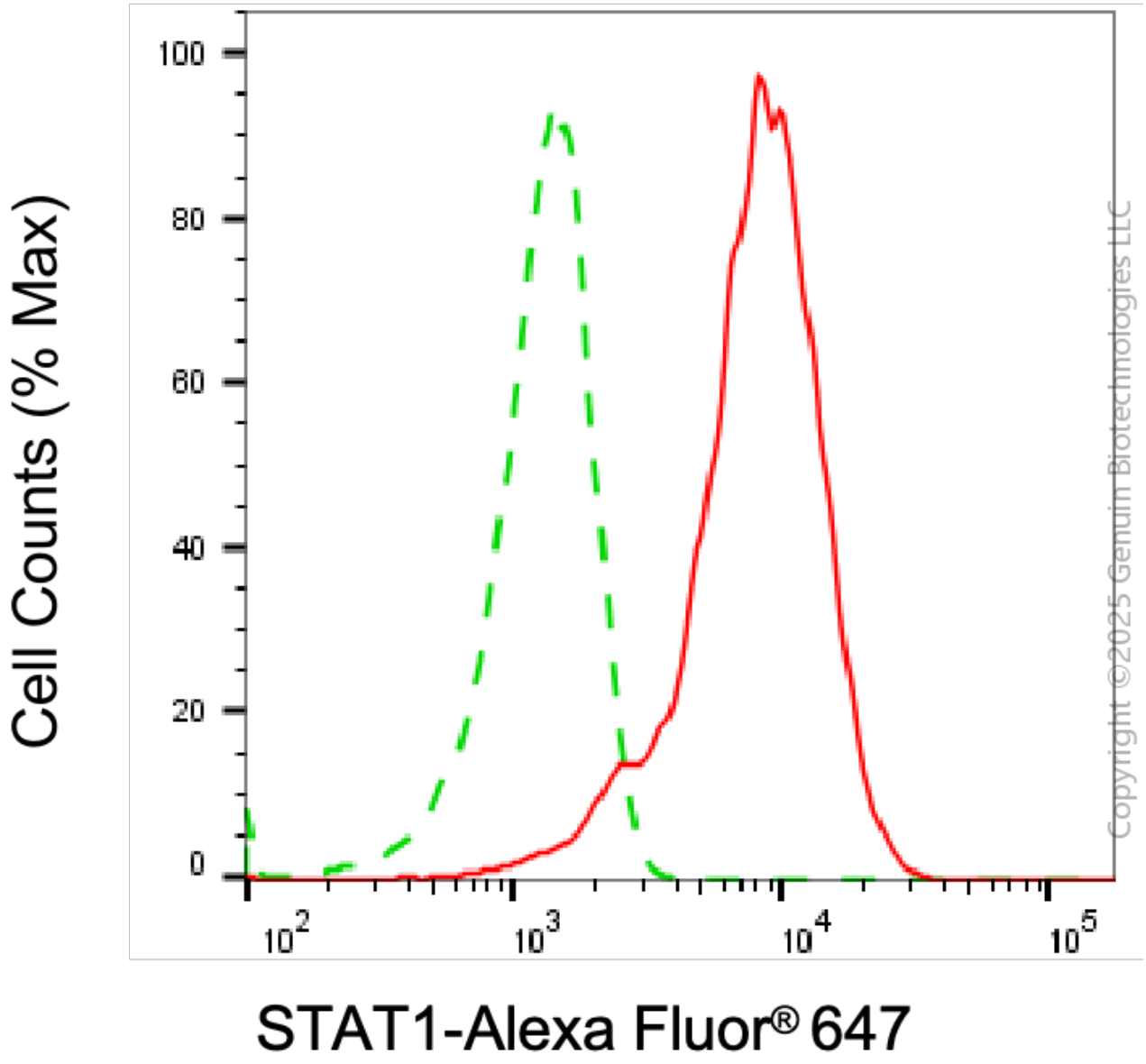
Store at -20 °C for one year.

Recommended Dilutions

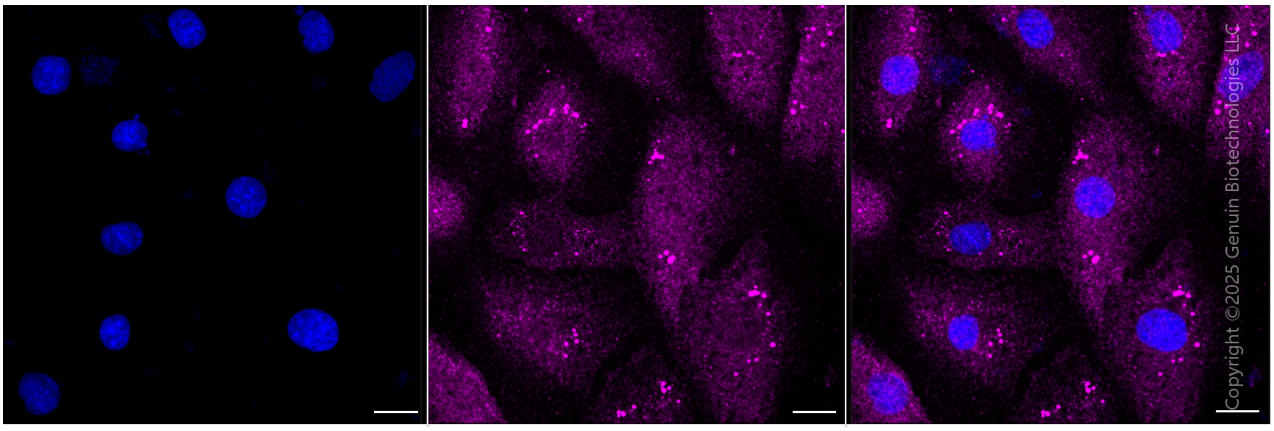
Western Blotting (WB): 1:500-1:1,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

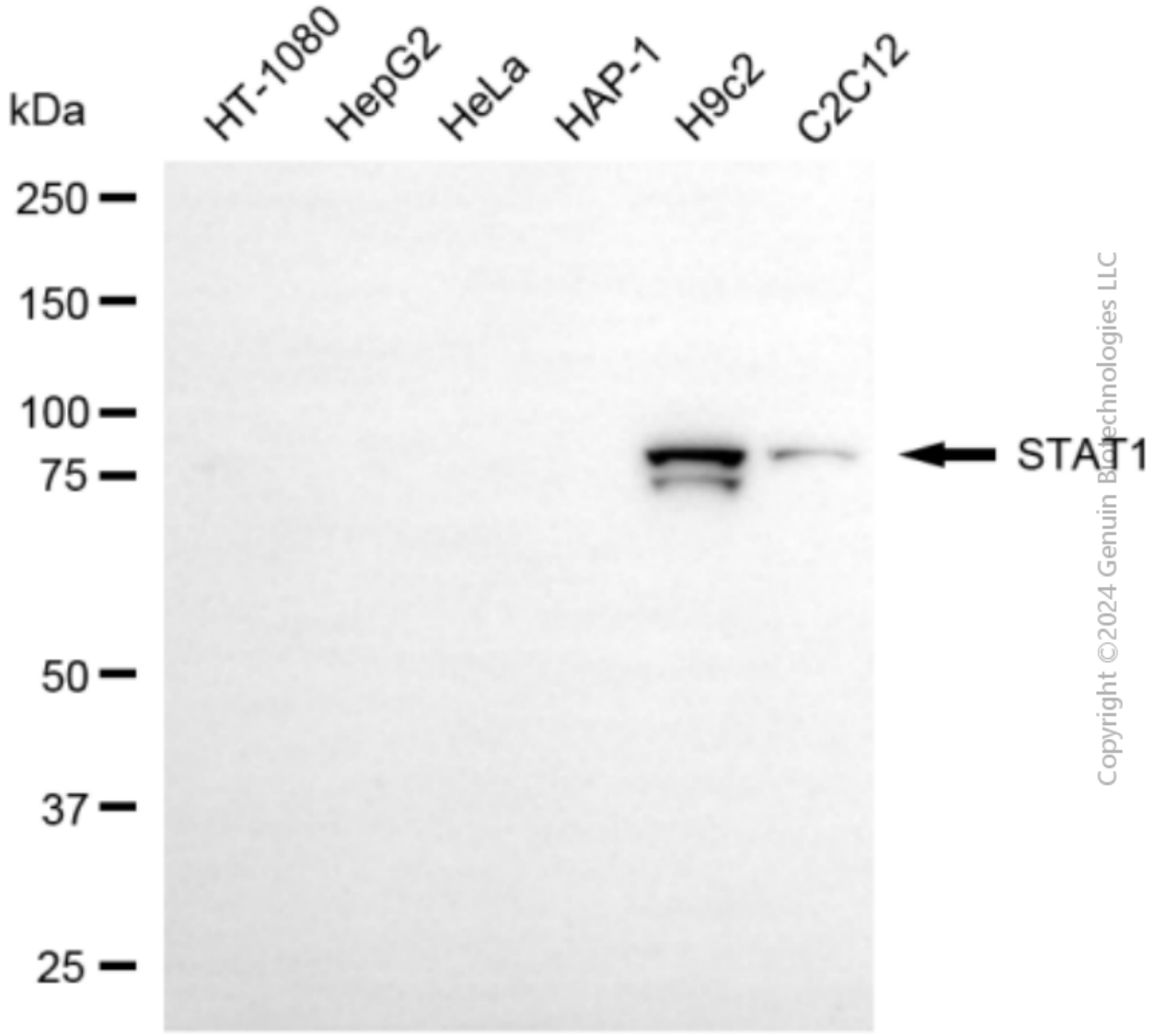
Validation Data



Flow cytometric analysis of STAT1 expression in H9c2 cells using anti-STAT1 antibody (Cat#3738, 1:2,000). Green, isotype control; red, STAT1.



Immunocytochemical staining of H9C2 cells with anti-STAT1 antibody (Cat#3738, 1:1,000) . Nuclei were stained blue with DAPI; STAT1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain Medium. Scale bar, 20 µm.



Western blotting analysis using anti-STAT1 antibody (Cat#3738). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-STAT1 antibody (Cat#3738, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716). STAT1, signal transducer and activator of transcription 1.