



Meridian

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CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: M67504M **Lot #:** 8D10311

Description: MAb to STAT5 pTyr 694/699
Monoclonal Antibody to Human Signal Transducing Activator of Transcription 5 (STAT5), phosphorylated at Tyrosine 694/699.

Specificity: Recognizes STAT5A phosphorylated at Tyr 694 and STAT5B phosphorylated at Tyr 699. STATs (signal transducing activators of transcription) are mediators involved in cytokine signaling. In response to a specific cytokine signal, STAT proteins are phosphorylated on conserved tyrosine residues. Does not cross-react with the non-phosphorylated form of STAT5, nor with unrelated tyrosine-phosphorylated proteins.

Host Animal: Mouse **Isotype:** IgG₁

Source: Cell Culture

Immunogen: Synthetic phosphopeptide conjugated to KLH.

Format: Purified, Liquid

Purification: Thiophilic adsorption and size exclusion chromatography.

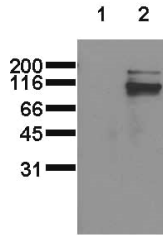
Concentration: 100 µg/mL

Buffer: Phosphate Buffered Saline, Polyethylene Glycol (PEG), Sucrose and 50% Glycerol

Preservative: 0.09% Sodium Azide

Applications:

Western Blot (0.5 µg/mL for HRP/ECL detection).
Recommended Blocking Buffer CPPT: 0.5% (w/v) casein, 1% (w/v) PEG 4000, 1% (w/v) Polyvinylpyrrolidone (PVP), 0.1% Tween 20, 10 mM Tris/HCl, pH 7.4, 150 mM Sodium Chloride.



Activation of STAT5 A/B in MCF-7 Cells:

Whole cell lysates of untreated (lane 1) and pervanadate-treated (lane 2) MCF-7 cells were applied to SDS-PAGE and transferred to a PVDF membrane. The blot was probed with 0.5 µg/mL M67504M for 1 hour at 15-22°C and developed by ECL (exp. time: 5 sec).

ELISA (0.05 µg/mL).

Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage:

Aliquot and store (up to 1 year) at -20°C. Thawed aliquots may be stored (up to 3 months) at 2-8°C. Avoid multiple/freeze thaw cycles.

Safety Note(s):

Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Includes Positive Control:

Description:

Cell lysate from MCF-7 cells.
Serum starved cells were treated for 15 minutes with Pervanadate.

Format:

Lysate, Lyophilized
Reconstitute with 200 µL water. After complete solubilization of the proteins, add 200 µL SDS-PAGE sample buffer and incubate at 90°C for 5 minutes.

Applications:

For Western Blot applications: 20 µL/lane (mini gel) for HRP/ECL detection. 20 µL of positive control lysate corresponds to approximately 20,000 cells.

Storage:

Store lyophilized product at -20°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

*Sincerely,
S. Orr*

04 October 2018

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY