

Monoclonal antibody against murine Granzyme A (mTSP-1) Product Nos. ADG0466L and ADG0467L

Description

The monoclonal antibodies ADG0466L (clone HD-TSP 6.2) and ADG0467L (clone HD-TSP 7.1) are directed against murine Granzyme A (murine T cell-specific serine protease 1, mTSP-1). Rats were immunized with purified Granzyme A isolated from long term culture cytolytic killer TLC cells (1.3E6SN). The antibodies have been purified from cell culture supernatant using Protein G affinity chromatography. The antibodies react with both native and recombinant Granzyme A.

Presentation

Screw capped vial containing 1 mg of purified antibody in PBS pH 7.4. The IgG concentration is given on the vial label. Spin the vial briefly before opening.

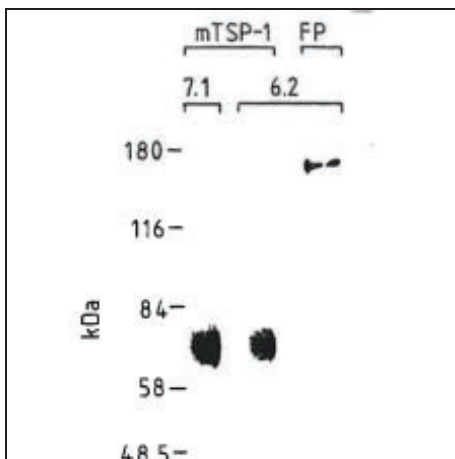
Storage and Stability

Store the antibody at 2°-8°C. For long-term storage the antibody should be aliquoted and stored at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

Applications

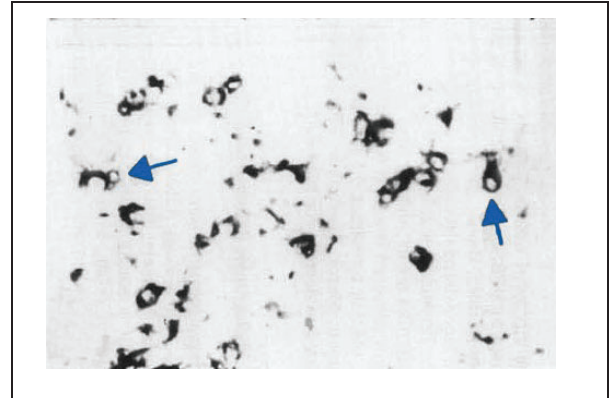
Western Blot

The antibodies recognize native (mTSP-1) and recombinant Granzyme A/fusion protein (FP) following SDS-PAGE under non-reducing conditions. A primary antibody concentration of 1-10 µg/mL is recommended.

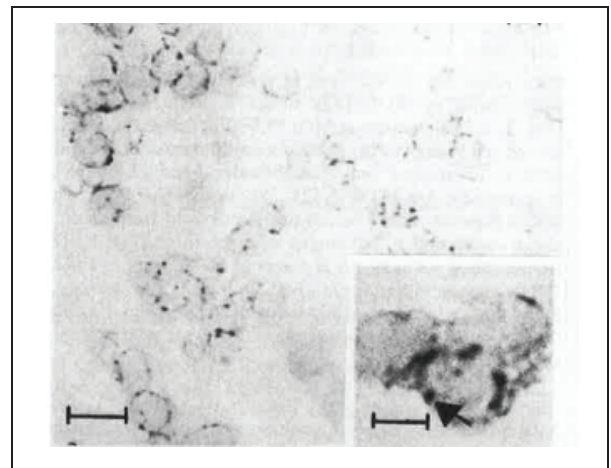


Immunohistochemistry

The antibody can be used for immune-histological staining of acetone fixed cryosections. A primary antibody concentration of 1-10 µg/mL is recommended.



Section of spleen from a mouse infected with LCM virus stained with HD-TSP 7.1 (arrows point to cytoplasmic staining)



Cytolytic TLC 1.3E6SN long term culture cell line stained with HD-TSP 6.2 (Inset: arrow point to granular cytoplasmic staining)

References

Expression of cytoplasmic granules with T cell-associated serine proteinase-1 activity in Ly-2+(CDS+) T lymphocytes responding to lymphocytic choriomeningitis virus *in vivo**. Kramer MD et al. Eur J Immunol. 1989 Jan;19(1):151-156.

Expression of T-cell-associated serine proteinase 1 during murine Leishmania major infection correlates with susceptibility to disease. Moll H, Müller C, Gillitzer R, Fuchs H, Rölinghoff M, Simon MM, Kramer MD. Infect Immun. 1991 Dec;59(12):4701-4705.

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Hinweis/Note:

ADG0466L + ADG0467L©06102022

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