

RAT SPLEEN TISSUE LYSATE

CATALOG NUMBER:	CL112
LOT NUMBER:	
QUANTITY:	500 µg
CONCENTRATION:	1 mg/mL
DESCRIPTION:	Ready to use tissue protein extract from rat spleen (Sprague Dawley Albino). Total cellular proteins were isolated from rat spleen tissue (1,2).
QUALITY CONTROL:	Protein concentration from the sample was measured by taking absorbency at 280 nm using BSA. Sample was run on a 4-20% polyacrylamide gel. After electrophoresis the gel was stained with coomassie blue and examined for sharp, well resolved protein bands. There was no smearing indicating no protein degradation. The protein was transferred to PVDF membrane and further tested for the separation and integrity of proteins by using an actin antibody.
SAMPLE PREPARATION:	<p><i>Gel Electrophoresis</i></p> <p>Thaw the lysate at room temperature. Avoid freeze/thaw cycles. Heat the sample at 90°C -95°C for 5 minutes. Cool on ice. Aliquot desired amount of the protein for loading on SDS-PAGE gels. The amount of protein loaded should be optimized. It is recommended that you try 40-75 µg of protein per lane. Should the sample need to be diluted further use 2x Sample Buffer (Laemmli, UK). Dilute 1:1 with 2x Sample Buffer.</p>
STORAGE/HANDLING:	Maintain at -70°C to -80°C in undiluted aliquots for up to six months after date of receipt. Avoid repeated freeze/thaw cycles.
REFERENCES:	<ol style="list-style-type: none">1. Laemmli, U.K. (1970) Cleavage and structural proteins during the assembly of the head of bacteriophage T4. <i>Nature</i> 227:680-685.2. Harlow, E. & Lane, E. (1988) <i>Antibodies: A Laboratory Manual</i> (Cold Spring Harbor Laboratory, Cold Spring Harbor, NY).
RELATED PRODUCTS:	Chemilucifer Cat # 2600: A femtogram level sensitivity immunodetection system for detection of low abundant antigens. Requires lower antibody concentration. <i>Re-Blot</i> [™] Plus Western Blot Recycling Kit Cat# 2500: A specially formulated antibody stripping solution that removes antibodies and their corresponding chemiluminescent or radioisotopic signals from membrane blots, without destroying the blotted protein sample.

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