

DESCRIPTION

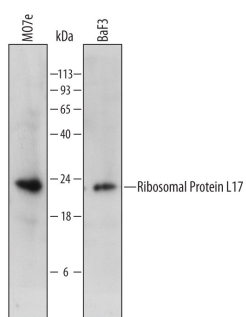
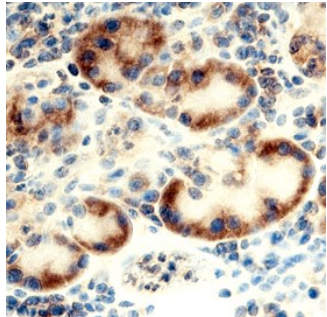
Species Reactivity	Human/Mouse
Specificity	Detects human Ribosomal Protein L17 in direct ELISAs, and human and mouse Ribosomal Protein L17 in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 702142
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Ribosomal Protein L17 Cys70-Glu184 Accession # P18621
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Immunohistochemistry	8-25 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human and Mouse Ribosomal Protein L17 by Western Blot. Western blot shows lysates of MO7e human megakaryocytic leukemic cell line and BaF3 mouse pro-B cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human Ribosomal Protein L17 Monoclonal Antibody (Catalog # MAB7158) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Ribosomal Protein L17 at approximately 22 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Immunohistochemistry</p>  <p>Ribosomal Protein L17 in Human Pancreas. Ribosomal Protein L17 was detected in immersion fixed paraffin-embedded sections of human pancreas using Mouse Anti-Human Ribosomal Protein L17 Monoclonal Antibody (Catalog # MAB7158) at 15 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to the cytoplasm of acinar cells. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections. This application has not been tested in mouse samples.</p>
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PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Ribosomal protein-large subunit 17 (RP-L17) is a 132 amino acid (aa), 23 kDa component of the ribosomal large subunit, and is the mammalian ortholog of the bacterial protein, L22. It is located at the ribosomal surface near the exit tunnel. Its position shifts upon translation of a transmembrane sequence, presumably aiding folding. The portion of human Ribosomal Protein L17 expressed as an immunogen shares >99% aa sequence identity with mouse and rat Ribosomal Protein L17.