

## Anti-ribosomal P protein [B10] Standard Size Ab01495-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** B10

**Alternative Name(s) of Target:** 60S acidic ribosomal protein P2-B; P2B; R13; P2b; TcP2b; R13

**UniProt Accession Number of Target Protein:** P26795

**Published Application(s):** functional assays

**Published Species Reactivity:** Trypanosoma cruzi

**Immunogen:** This antibody was derived from BALB/c mice immunised with TcP2b.

**Specificity:** This antibody recognises DDxGF sequence of the C-terminal of eukaryotic ribosomal P proteins.

**Application Notes:** Both B10 mAb and scFv were demonstrated to detect eukaryote ribosomal P proteins with a high specificity demonstrated by the alanine-scanning mutagenesis of peptide R13 (López Bergami et al., 2003). Consequently, this antibody can be used in the detection of ribosomal P proteins in various eukarote tissues. Finally, anti-P protein antibodies are observed in certain pathologies, such as Trypanosoma cruzi infection and SLE, and thus B10 antibody might be utilised as a model for the investigation of the immunology of these diseases (López Bergami et al., 2003).

**Antibody First Published in:** López Bergami et al. Sequence analysis, expression, and paratope characterization of a single-chain Fv fragment for the eukaryote ribosomal P proteins. Biochem Biophys Res Commun. 2003 Feb 21;301(4):819-24. [PMID:12589786](#)

**Note on publication:** This article describes the generation and characterisation of the B10 monoclonal antibody as well as its scFV derivative.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.