

# Anti-POT1 [M1-P1H5]

**Catalogue number:** 151875

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Ayham Alnabulsi

**Institute:** Vertebrate Antibodies Limited

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-POT1 [M1-P1H5]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** POT1 (protection of telomeres 1) is part of the telomerase ribonucleotide (RNP) complex, which stabilises chromosomes by controlling telomere elongation. POT1 is a component of the double-stranded telomeric DNA-binding TRF1 complex which cis-inhibits telomerase. POT1 localization on telomeres diminishes in the absence of single-stranded DNA.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 kappa

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Peptide sequence - IPASEVLMDD

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** ELISA- Peptide immunogen Western Blot- Hela cell extract (nuclear

fraction)IF- Hela Cells

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Protection of telomeres 1 (POT1)

**Target alternate names:**

**Target background:** POT1 (protection of telomeres 1) is part of the telomerase ribonucleotide (RNP) complex, which stabilises chromosomes by controlling telomere elongation. POT1 is a component of the double-stranded telomeric DNA-binding TRF1 complex which cis-inhibits telomerase. POT1 localization on telomeres diminishes in the absence of single-stranded DNA.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; IF ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Brown et al. 2016. Histopathology. 68(4):556-66. PMID: 26183150. ; The expression and prognostic significance of bcl-2-associated transcription factor 1 in rectal cancer following neoadjuvant therapy.

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