

# PL1 peptide

**Catalogue number:** 158320

**Sub-type:** Synthetic Peptide

**Images:**

## Contributor

**Inventor:** Tambet Teesalu ; Prakash Lingasamy

**Institute:** University of Tartu

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** PL1 peptide

**Alternate name:** PL1, FN-EDB and TNC-C binding protein

**Class:**

**Conjugate:**

**Description:** PL1 peptide is a short binding peptide which interacts with oncofetal fibronectin extra domain-B (FN-EDB) and tenascin-C C domain (TNC-C) which are both extracellular matrix proteins present in a tumour microenvironment. The targets of PL1 are nearly absent in normal adult tissues making them indicative of solid tumour tissues. It has been shown that this dual-targeted peptide can be used for robust and specific delivery of imaging agents and therapeutic payloads to solid tumours.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:** PPRRGLIKLKTS

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Oncofetal fibronectin extra domain-B (FN-EDB) and tenascin-C C domain (TNC-C). Relevant disease: Cancer

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry Ice

## Related tools

**Related tools:** PL2 Peptide ; PL3 Peptide

# References

References:

CancerTools.org