LTL-373 datasheet

Origin	Primary human ovarian cancer	**Histopathology**	High grade clear cell carcinoma
Year of establishment	2010	**Doubling time**	12 days (sub-renal)
Local invasion	Yes, limited	**Metastasis**	No

The LTL-373 was developed from a patient's primary ovarian cancer (high grade clear cell carcinoma). Histopathologically, it closely resembles the patient's cancer (Figs 1, 2). When grafted under the renal capsules of SCID mice, the LTL-373 shows limited local invasion into adjacent host kidney. No distant metastasis was observed in hosts.

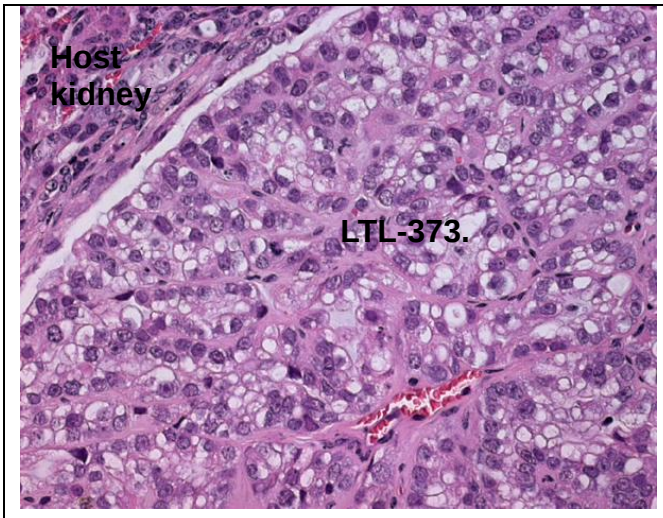

Fig 1. H&E stained LTL-373 tissue sections

The LTL-373 shows histopathological characteristics similar to those of the patient's cancer tissue before grafting (Fig 2). (200x)

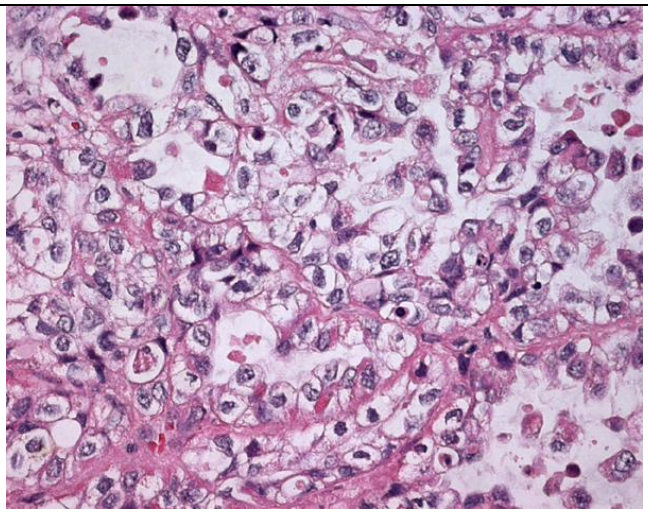

Fig. 2. Patient's cancer tissue before grafting.

Major histopathological characteristics:

- High grade clear cell carcinoma
- Tumor cells grow in a tubulocystic pattern.
- The tumor cells containing clear cytoplasma and distinct cell membranes.

(200x)

Genetic and epigenetic characteristics

Tissue microarrays containing LTL-373 tissue are available for screening potential molecular targets.

Applications

1. Pre-clinical evaluation of existing and potential anticancer drugs. Examination of drug efficacy on tumor growth, cell death (apoptosis, necrosis) and angiogenesis.

2. Discovery of potential therapeutic targets and/or biomarkers for drug sensitivity.

3. Study of mechanisms underlying tumor growth and progression.

For more information, please contact us by email: LTL@bccrc.ca or phone: (604) 675 8013