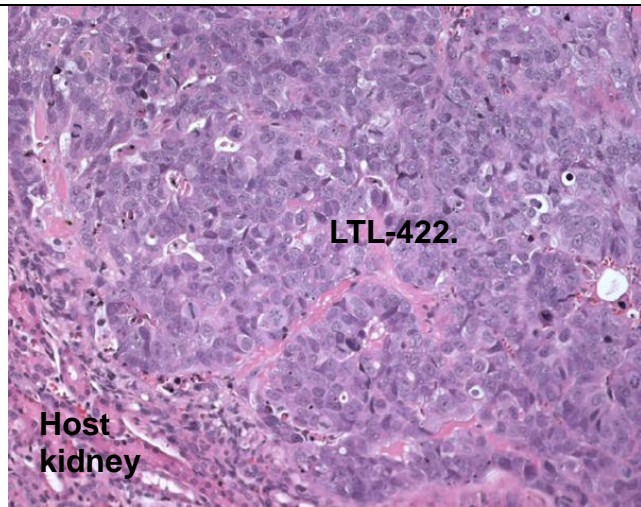


# LTL-422 datasheet

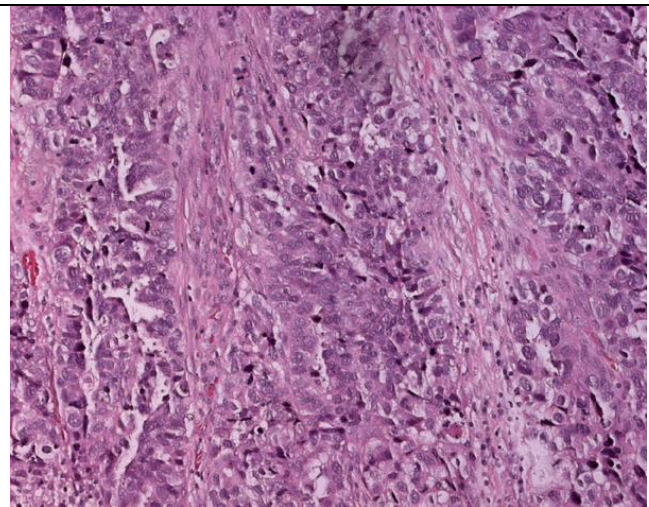
<b>Origin</b>	Primary human ovarian cancer	<b>Histopathology</b>	High grade serous carcinoma
<b>Year of establishment</b>	2010	<b>Doubling time</b>	6 days (sub-renal)
<b>Local invasion</b>	Yes, limited	<b>Metastasis</b>	No

The LTL-422 was developed from a patient's primary ovarian cancer (high grade serous carcinoma). Histopathologically, it closely resembles the patient's cancer (Figs 1, 2). When grafted under the renal capsules of SCID mice, the LTL-422 shows limited local invasion into adjacent host kidney. No metastasis was observed in hosts.



**Fig 1. H&E stained LTL-422 tissue sections**

The LTL-422 shows histopathological characteristics similar to those of the patient's cancer tissue before grafting (Fig 2). (x200)



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

Major histopathological characteristics:

- High grade serous carcinoma
- Glandular structure with slit-like lumina (x200)

## Genetic and epigenetic characteristics

Tissue microarrays containing LTL-422 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](mailto:LTL@bccrc.ca) or phone: (604) 675 8013**