

Additional file 2.

Supplementary Methods

Monoclonal antibody to monomeric Ln- γ 2 (mono- Ln- γ 2)

A previous report described a hybridoma cell that produces a mAb that targets mono-Ln- γ 2 (clone name: 2H2 mAb), which was established at Institute of Medical Science, University of Tokyo.¹ The IgG1 protein was purified from the hybridoma serum-free culture medium using a Hi-Trap Protein-G HP column (GE Healthcare), as described previously.¹

Preparation of recombinant mono-Ln- γ 2 and Ln-332 proteins

The recombinant mono-Ln- γ 2 protein was purified using spent medium from an MDCK transfectant expressing an intact Ln- γ 2 protein and a 2H2 mAb-conjugated Protein A Sepharose affinity column, as previously reported.¹ Purified recombinant Ln-332 protein was purchased from Oriental Yeast (Shiga, Japan).

Supplementary Reference

1. Koshikawa, N., Minegishi, T., Nabeshima, K. et al.: Development of a new tracking tool for the human monomeric laminin-gamma 2 chain in vitro and in vivo. *Cancer Res*, **68**: 530, 2008