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## Antigenicity Estimation of Collagenase-Treated Gelatins by a Novel Assay System Using Human Antibodies Secreted by B-Lymphoblastoid Cells

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To estimate the antigenicities of collagenase-treated gelatins, we assessed some antibodies to porcine skin gelatin from a human immortalized B-cell library. A competitive enzyme-linked immunosorbent assay showed that bindings of two antibodies to porcine skin gelatin were strongly inhibited by intact gelatin, but were not inhibited by collagenase-treated gelatins. We concluded that those antibodies secreted by immortalized human B cells could be useful to estimate the antigenicity of the collagenase-treated gelatins.

**Keywords:** [allergen](#), [antibody](#), [Epstein-Barr virus](#), [gelatin](#)

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