



# FabDELLO™

Lyophilized

STORE AT

**DIFFERENT**  
TEMPERATURES



FOR RESEARCH USE ONLY

## Instructions for Use

**FabDELLO Lyophilized 8 × 100 units (B1-BD1-008)**  
Process 8 × 100 µg hlgG1

**FabDELLO Lyophilized 96 × 100 units (B1-BD1-096)**  
Process 96 × 100 µg hlgG1





## Preparations

### Additional Materials Required

- Reaction buffer: TBS (50mM Tris-HCl, 150mM NaCl), pH 7.6.

## Above Hinge Digestion of Human IgG1, Including Hinge-mutated IgG

### Sample Preparation

Prepare the human IgG1 in the reaction buffer.

The final IgG concentration in the reaction should be 0.5-5mg/ml.

#### 1. Add IgG

- 1.1 Pierce the aluminum foil with a pipet tip.
- 1.2 Add 100  $\mu$ g hIgG1 to the enzyme plate vial.<sup>1</sup>

#### 2. Add Buffer

- 2.1 Add reaction buffer to a total volume of 95  $\mu$ l.<sup>2,3</sup>

#### 3. Add CaCl<sub>2</sub>

- 3.1 Add 5  $\mu$ l 20 $\times$  CaCl<sub>2</sub> solution (200mM).<sup>4</sup>

#### 4. Enzymatic Reaction

- 4.1 Mix the solution by aspirating and dispensing the liquid a few times.
- 4.2 Cover the plate vial with adhesive plastic or move the content to another vial.
- 4.3 Incubate for 2 h at 37°C.<sup>5</sup>

1. The enzyme may also be dissolved in ultrapure water and added to a digestion in another vial if digestion of smaller amounts of hIgG1 is desired.
2. Optimal activity is achieved in TBS buffer pH 7.0-8.5. Buffers containing phosphate should be avoided since the phosphate ions will form an insoluble calcium phosphate salt with the calcium ions required for enzymatic activity.
3. Another buffer volume may be added. The total volume in the enzyme vial should be 20-200  $\mu$ l.
4. The final CaCl<sub>2</sub> concentration should be 10mM. If the reaction volume is adjusted, the volume of the CaCl<sub>2</sub> solution must also be adjusted.
5. The digestion time may need to be optimized for individual antibodies.



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