

Aluminium Hydroxide Gel

【Introduction】

Aluminium Hydroxide Gel is an effective adjuvant for the IgE antibody response. It is less hazardous compared to Freund's adjuvant. Therefore, it is a useful tool to establish a mouse model for IgE production.

The IgE concentration is measured for every lot by injecting to Balb/c mice.

【Formulation】

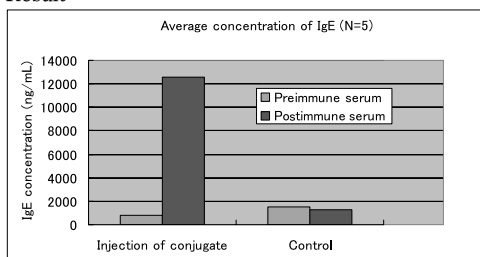
5 mL of aluminium hydroxide (19.8 mg/mL) solution containing 0.05% of sodium azide

【Protocol for immunizing animal】

1) Method

1. Mix the immunogen solution with Aluminium Hydroxide Gel so the final volume ratio of immunogen solution to Aluminium Hydroxide Gel is 1 : 1 (e.g., add 100 μ L of DNP-BSA to 100 μ L of Aluminium Hydroxide Gel).
2. Immunize the animal with 200 μ L of conjugate. Generally, boosted immunity is carried out after 3 weeks of the first immunization.
3. After two weeks of boosted immunity, collect whole blood and measure the IgE concentration.

2) Result



Strain : BALB/c

Week and Gender : 8 week (♂)

IgE concentration was measured by Mouse IgE ELISA Kit (Code. 639-02891).

【Storage】

- 20 °C

【Package】

5 mL

FUJIFILM Wako Pure Chemical Corporation

1-2, Doshomachi 3-Chome, Chuo-Ku, Osaka 540-8605, Japan
Telephone : + 81-6-6203-3741
Facsimile : + 81-6-6201-5964
<http://ffwk.fujifilm.co.jp>

FUJIFILM Wako Chemicals U.S.A. Corporation

1600 Bellwood Road
Richmond, VA 23237
U.S.A.
Telephone : + 1-804-271-7677
Facsimile : + 1-804-271-7791
<http://www.wakousa.com>

FUJIFILM Wako Chemicals Europe GmbH

Fuggerstrasse 12
D-41468 Neuss
Germany
Telephone : + 49-2131-311-0
Facsimile : + 49-2131-311100
<http://www.wako-chemicals.de>

2307KA2