

Complete Freund's Adjuvant

Catalog Number 501009

For research use only

INTRODUCTION

Freund's Adjuvant is one of the most commonly used adjuvants in research. Complete Freund's Adjuvant (CFA) is a water-in-oil emulsion containing heat-killed Mycobacterium tuberculosis. Complete Freund's Adjuvant is designed to provide continuous release of antigens necessary for stimulating a strong persistent immune response. The mycobacteria in Complete Freund's attracts macrophages and other cells to the injections site, which enhances the immune response. For this reasons, the Complete Freund's Adjuvant is used for the initial injections. To minimize side-effects.

DESCRIPTION Complete Freund's Adjuvant

APPLICATION Typically used for the boost of an immune response. For in-vivo/ in-vitro.

FORMAT Tan liquid with particles

COMPOSITION 4 mg/mL Mycobacterium Tuberculosis H37 RA (non-viable) in mineral oil.

VOLUME 5 mL

STORAGE Keep tightly closed. Store at 2-8°C. Do not freeze.

EMULSION Emulsify with an equal volume of antigen using a homogenizer. Requires vigorous and prolonged mixing.

prolonged mixing

REFERENCES1. Eveline Trachsel, Frank Bootz, Michela Silacci, et. al. Antibody-mediated delivery of IL-10 inhibits the progression of established collagen-induced arthritis. *Arthritis*

Research & Therapy (2007), 9:R9

 Campo GM, Avenoso A, D'Ascola A, Nastasi G, et.al. Combined Treatment With Hyaluronan Inhibitor Pep-1 and a Selective Adenosine A2 Receptor Agonist Reduces Inflammation in Experimental Arthritis. Innate Immun.

2013;19(5):462-478

3. Chris AH Hansel, Lindsay M MacLellan, Rachek S Oldham, et. al. The atypical chemokine receptor ACKR2 suppresses Th17 responses to protein autoantigens.

Immunology and Cell Biology (2014), 1-10

4. Mariola Kurowska-Stolarska, Stefano Alivernini, Emma Garcia Melchor, et. al. MicroRNA-34a dependent regulation of AXL controls the activation of dendritic cells in inflammatory arthritis. *Nature Communications (2017) 8, Article number 15877*

International

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