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15-1024: Zymosan

Application : Functional Assay

Description

Formula: (C6H12O6)n

CAS#: 9010-72-4

Specificity: TLR2 and Dectin-1 agonist

Zymosan, an insoluble preparation of cell wall from Saccharomyces cerevisiae, activates macrophages via TLR2. TLR2 cooperates with TLR6 and CD14 in response to zymosan. Zymosan is also recognized by Dectin-1, a phagocytic receptor expressed on macrophages and dendritic cells, which collaborates with TLR2 and TLR6 enhancing the immune responses triggered by the recognition of Zymosan by each receptor.

Product Info

Amount :	100 mg
Storage condition :	zymosan is stable at 4°C for 6 months or at -20°C for 12 months

Application Note

Solubility: Insoluble (resuspended zymosan results in a cloudy suspension). Vortex to homogenize, Add 10 ml endotoxin free water

Stimulation of TLR2 can be achieved with 10 µg/ml zymosan.

Stimulation of Dectin-1 can be achieved with 1 - 10 µg/ml zymosan.

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