

Journey Through Mucosal Immunity: Cell Trafficking Tales

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Immune cell isolation

Explain how immune cells were isolated from mucosal tissues. Mention the specific protocols or techniques used for cell isolation. Include information on any enzymatic digestion, filtration, or gradient separation steps. If immune cells were cultured, describe the culture conditions, media, and supplements used. Mention the duration of cell culture and any treatments or stimulations. Flow Cytometry Analysis Detail the flow cytometry methods used for immune cell characterization. List the fluorochromes and antibodies used for cell surface markers. Describe the flow cytometer model and settings. Explain the gating strategy for data analysis [13,14].

Chemotaxis assay

If chemotaxis assays were conducted, describe the assay setup. Explain the choice of chemotactic agents. Provide information on the migration chambers or devices used. Mention incubation times and conditions.

Adhesion assays

If adhesion assays were performed, outline the experimental setup. Describe the substrates or surfaces used for adhesion. Explain how adhesion was quantified, e.g., by counting adherent cells.

In vivo models (if applicable)

If animal models were used, describe the species, strains, and relevant details. Mention the route of mucosal administration (e.g., oral gavage, intranasal, etc.). Provide information on any treatments or interventions.

Data analysis

Explain the statistical methods used for data analysis. Specify the software or statistical packages used.

Citation:

3) Journey Through Mucosal Immunity: Cell Trafficking Tales. *J Mucosal Immunol Res* 7: 200.