

Resolution of Pulmonary Inflammation Induced by Carbon Nanotubes and Fullerenes in Mice: Role of Macrophage Polarization

Data Dictionary

Field Name	Field Contents
ALOX5	Arachidonate 5-lipoxygenase, a macrophage marker
ALOX5AP	Arachidonate 5-lipoxygenase activating protein, an M1 macrophage marker
ALOX15	Arachidonate 15-lipoxygenase, an M2 macrophage marker
AM	Alveolar macrophage
BMDIM	Bone marrow-derived inflammatory monocyte
C60F	Fullerene-C60
CD68	Cluster of Differentiation 68, a protein highly expressed in circulating and tissue macrophages. An M1 macrophage marker
CD86	Cluster of Differentiation 86. An M1 macrophage marker
CD163	Cluster of Differentiation 163, a macrophage-specific protein and an M2 macrophage marker
CD206	Cluster of Differentiation 206, a macrophage-specific protein and an M2 macrophage marker
DM	Dispersion medium, a vehicle control for carbon nanotubes and fullerenes
ELISA	Enzyme-linked, immunosorbent assay
F4/80	A monocyte-macrophage marker
IFN-gamma	Interferon-gamma, a proinflammatory cytokine, measured using multiplex immunoassay and ELISA. Units are pg/ml or pg/mg
IL-1beta	Interleukin-1beta, a proinflammatory cytokine, measured using multiplex immunoassay and ELISA. Units are pg/ml or pg/mg
IL-4	Interleukin-4, a proinflammatory cytokine, measured using multiplex immunoassay and ELISA. Units are pg/ml or pg/mg
IL-6	Interleukin-6, a proinflammatory cytokine, measured using multiplex immunoassay and ELISA. Units are pg/ml or pg/mg
IL-10	Interleukin-10, a type 2 cytokine, measured using multiplex immunoassay and ELISA. Units are pg/ml or pg/mg
IL-13	Interleukin-13, a type 2 cytokine, measured using multiplex immunoassay and ELISA. Units are pg/ml or pg/mg
LM	Lipid mediator
LTB4	Leukotriene B4, a proinflammatory lipid mediator, measured using ELISA. Units are pg/ml
LXA4	Lipoxin A4, a specialized pro-resolving mediator, measured using ELISA. Units are pg/ml
M1 inducer	Inducer of M1 polarization
M2 inducer	Inducer of M2 polarization
MWCNTs	Multi-walled carbon nanotubes
PGE2	Prostaglandin E2, a proinflammatory lipid mediator, measured using ELISA. Units are pg/ml

Post-exposure (days)	Time course of treatment in days (d)
RvD	Resolvin D, D-series of specialized pro-resolving mediators, measured using ELISA. Units are pg/ml
RvE	Resolvin E, E-series of specialized pro-resolving mediators, measured using ELISA. Units are pg/ml
Saline	A negative control for establishing baseline levels
SPM	Specialized pro-resolving mediator
TNF-alpha	Tumor necrosis factor-alpha, a proinflammatory cytokine, measured using multiplex immunoassay and ELISA. Units are pg/ml or pg/mg
Treatment (days)	Time course of treatment in days (d)
WLL	Whole lung lavage