

<b>Field Name</b>	<b>Field Definition</b>
<b>hBN</b>	Hexagonal Boron Nitride
<b>BNNT</b>	Boron Nitride Nanotube
<b>AP-BNNT</b>	As produced BNNT
<b>BR-BNNT</b>	Gas purified (boron removed) AP-BNNT
<b>W1-BNNT</b>	Acetone and water washed BR-BNNT
<b>W2-BNNT</b>	Acetone and water washed BR-BNNT with more washing steps
<b>THP-1</b>	Monocyte isolated from peripheral blood from an acute monocytic leukemia patient
<b>LPS</b>	Lipopolysaccharides
<b>PMA</b>	Phorbol myristate acetate
<b>Vit D3</b>	Vitamin D3
<b>HABS</b>	hydrogen-catalyzed induction thermal plasma process using pure hexagonal boron nitride powder as feedstock
<b>ug/ml</b>	Micrograms per milliliter
<b>Membrane Damage</b>	Membrane damage was evaluated by measuring lactate dehydrogenase. Expressed as Ratio of fold change in lactate dehydrogenase in supernatant to total lactate dehydrogenase in cells and normalized to controls.
<b>Cytotoxicity</b>	Cytotoxicity measured by change in WST-1 metabolism expressed as fold change from control
<b>SEM</b>	Scanning Electron Microscopy
<b>% Change in NF-κB activation</b>	Ratio or Fold Change in NF-κB activation Treatment Group/Fold Change in NF-κB activation untreated control Group
<b>BET Surface Area</b>	Brunauer, Emmett and Teller surface area
<b>DLS</b>	hydrodynamic sizing by light scattering expressed as diameter in nanometer
<b>Z-average</b>	Intensity weighted mean hydrodynamic size (Diameter) expressed in nanometers.
<b>PdI</b>	Poly dispersity index (Unit Less)
<b>Dose</b>	Quantity of exposure
<b>Sample</b>	Experimental Replicate
<b>IL 18 Secretion Inflammasome Model</b>	IL 18 protein secretion in supernatant in differentiated THP-1 macrophages co challenged with 10 ng/ml LPS. Expressed as pg/ml

<b>IL 1b Secretion Inflammasome Model</b>	IL 1 beta protein secretion in supernatant in differentiated THP-1 macrophages co challenged with 10 ng/ml LPS. Expressed as pg/ml
<b>Fluorescence Units</b>	A unit of measurement used in analysis which employs fluorescence detection; measurement of the quantity or size of the level of fluorescence intensity
<b>% Change</b>	Percentage of change in fluorescence units when compared to control
<b>Eotaxin</b>	Sub family of chemokines that specifically target eosinophils (picogram/milliliter)
<b>G-CSF</b>	Granulocyte colony-stimulating factor (picogram/milliliter)
<b>sCD40L</b>	soluble form of CD40L (picogram/milliliter)
<b>EGF</b>	Epidermal growth factor (picogram/milliliter)
<b>Eotaxin</b>	Eotaxin chemokine also referred to as CCL11. (picogram/milliliter)
<b>FGF-2</b>	Fibroblast growth factor 2 (picogram/milliliter)
<b>FLT-3L</b>	Fms-related tyrosine kinase 3 ligand(picogram/milliliter)
<b>Fractalkine</b>	Chemokine also referred to as CX3CL1 (picogram/milliliter)
<b>GRO alpha</b>	Chemokine also referred to as CXCL1 (picogram/milliliter)
<b>IFN-alpha2</b>	Interferon alpha-2 (picogram/milliliter)
<b>GM-CSF</b>	Granulocyte macrophage colony-stimulating factor(picogram/milliliter)
<b>IFN<math>\gamma</math></b>	Interferon gamma(picogram/milliliter)
<b>IL-1<math>\alpha</math></b>	Interleukin one alpha; involved in pro inflammation (picogram/milliliter)
<b>IL-1<math>\beta</math></b>	Interleukin one beta; involved in pro inflammation (picogram/milliliter)
<b>IL-2</b>	Interleukin two (picogram/milliliter)
<b>IL-3</b>	Interleukin three (picogram/milliliter)
<b>IL-4</b>	Interleukin four (picogram/milliliter)
<b>IL-5</b>	Interleukin five (picogram/milliliter)
<b>IL-6</b>	Interleukin six (picogram/milliliter)
<b>IL-7</b>	Interleukin seven (picogram/milliliter)
<b>IL-9</b>	Interleukin nine (picogram/milliliter)
<b>IL-10</b>	Interleukin ten (picogram/milliliter)

<b>IL-12p40</b>	Interleukin twelve p40 subunit (picogram/milliliter)
<b>IL-12p70</b>	Interleukin twelve p70 subunit (picogram/milliliter)
<b>IL-13</b>	Interleukin thirteen (picogram/milliliter)
<b>IL-15</b>	Interleukin fifteen (picogram/milliliter)
<b>IL-17</b>	Interleukin seventeen (picogram/milliliter)
<b>IL-18</b>	Interleukin Eighteen (picogram/milliliter)
<b>IP-10</b>	Also known CXCL10; interferon gamma induced protein ten (picogram/milliliter)
<b>KC</b>	Also known as CXCL1; keratinocytes-derived chemokines (picogram/milliliter)
<b>LIF</b>	Leukemia inhibitory factor (picogram/milliliter)
<b>LIX</b>	Also known as CXCL5; lipopolysaccharide induced CXC chemokine (picogram/milliliter)
<b>MCP-1</b>	Monocyte chemoattractant protein one (picogram/milliliter)
<b>M-CSF</b>	Macrophage colony stimulating factor (picogram/milliliter)
<b>MIG</b>	Also known as CXCL9; monokine induce by interferon-gamma (picogram/milliliter)
<b>MIP-1<math>\beta</math></b>	Macrophage inflammatory protein one beta (picogram/milliliter)
<b>MIP-2</b>	Macrophage inflammatory protein two (picogram/milliliter)
<b>RANTES</b>	Regulated upon activation normal t-cell expressed and secreted (picogram/milliliter)
<b>TNF<math>\alpha</math></b>	Tumor necrosis factor alpha (picogram/milliliter)
<b>VEGF</b>	Vascular endothelial growth factor (picogram/milliliter)
<b>Zero within data</b>	True zero
<b>Blank cell within data</b>	No data obtained
<b>nm</b>	Nanometer
<b>mV</b>	MilliVolts
<b>Zeta Potential</b>	Zeta potential is the electrokinetic potential or charge that develops at the interface between a solid surface and its liquid medium. It is represented as MilliVolts
<b>MOB</b>	Electrophoretic mobility expressed as $\mu\text{m-cm/Vs}$ .

<b>Cond</b>	electrical conductivity expressed as mS/cm.
<b>pg/ml</b>	Picogram per milliliter
<b>ug/ml</b>	Microgram per milliliter
<b>Fluorescence</b>	Fluorescence units, a unit of measurement used in analysis which employs fluorescence detection. Measurement of the quantity or size of the level of fluorescence intensity.
<b>% Control</b>	100x (Fold Change in Treatment Group/Fold Change in Untreated control Group)
<b>PBS</b>	Phosphate Buffered Saline
<b>EPR</b>	Electron Paramagnetic Resonance. Expressed as EPR Spectra Peak Height Signal intensity (peak height) from the 1:2:2:1 spectrum (characteristic for ·OH) represented in millimeter
<b>DMPO</b>	5,5-dimethyl-1-pyrroline-N-oxide
<b>Phagocytosis Uptake</b>	Change in THP-1 macrophages uptake of bacteria after pre-exposure to particulate at various doses expressed a % change from control cells with no particulate challenge