

Lysophosphatidylcholine plays critical role in allergic airway disease manifestation

Preeti Bansal^{a,b}, Shailendera Nath Gaur^c, Naveen Arora^{a*}

^aAllergy and Immunology Section, CSIR-Institute of Genomics and Integrative Biology,
Delhi.

^bDepartment of Biotechnology, University of Pune, Ganeshkhind, Pune 411 007, India

^cDepartment of Pulmonary Medicine, V.P. Chest Institute, Delhi University, Delhi.

***Corresponding Address:**

Naveen Arora, Ph.D.

Room 509, Allergy and Immunology Section

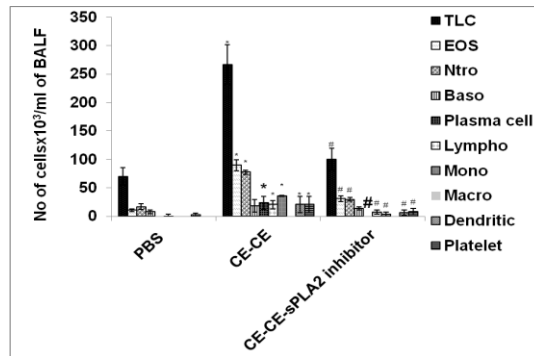
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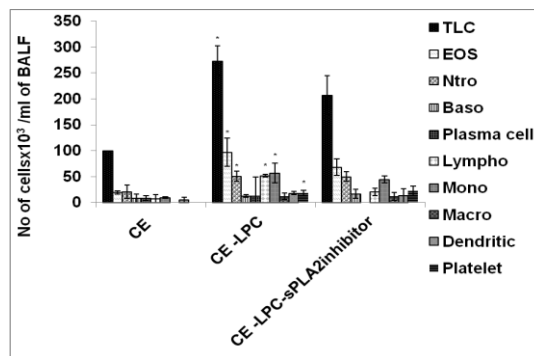
Delhi-110007, INDIA

Tel: (011) 27666157, Fax: (011) 27667471

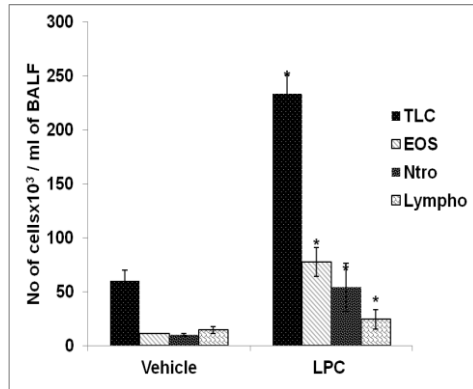
Email: naveen@igib.res.in



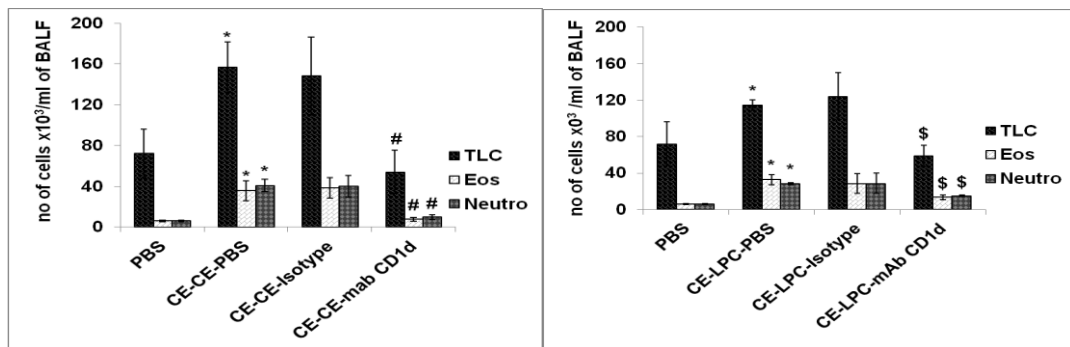
Supplementary Figure1. TLC& DLC were increased in CE challenged mice and reduced on administration of sPLA2 inhibitor. Vehicle control: *PBS*; mice sensitized and challenged with cockroach extract: *CE-CE*; and pre-administered with sPLA2 inhibitor: *CE-CE-sPLA2 inhibitor*. Data represent the means \pm SEM of values from 4 mice. *, $p < 0.05$ versus *PBS*; #, $p < 0.05$ versus *CE-CE*.



Supplementary Figure2. LPC exposure in CE-sensitized mice increases total and differential cell count in BALF. Mice sensitized with cockroach extract: *CE*; and exposed to LPC: *CE-LPC*; and pre-treated with sPLA2 inhibitor: *CE-LPC-sPLA2 inhibitor*. Data represent the means \pm SEM of values from 4 mice. *, $p < 0.05$ versus *CE*.



Supplementary Figure3. LPC exposure without CE sensitization increases total and differential cell count in BALF. Mice exposed to 5%DMSO: *Vehicle*; to LPC: *LPC*. Data represent the means \pm SEM of values from 4 mice. *, $p < 0.05$ versus *vehicle*.



Supplementary Figure4. CD1d blockage before CE challenge or LPC exposure decreases total and differential cell count. a) vehicle control: *PBS*; mice sensitized and challenged with cockroach extract and pre-administered with PBS: *CE-CE-PBS*; with isotype: *CE-CE-Isotype*; or with anti-CD1d monoclonal antibody (mAb): *CE-CE-mAb CD1d*. b) vehicle control: *PBS*; mice sensitized with cockroach extract and exposed to LPC and pre-administered with PBS: *CE-LPC-PBS*; or with isotype: *CE-LPC-Isotype*; or with anti-CD1d mAb: *CE-LPC-mAb CD1d*. Data represent the means \pm SEM of values from 4 mice. *, $p < 0.05$ versus *PBS*; #, $p < 0.05$ versus *CE-CE-PBS*; \$, $p < 0.05$ versus *CE-LPC-PBS*.