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**Presence of IL-6-like molecule in the hemocytes of the
immune response-induced *Bombyx mori* L.
(Lepidoptera)**

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Cytokines represent an essential part of the innate immune response in mammals. Recently, several studies have reported presence of cytokine-like activities and molecules in the invertebrates such as echinoderms, tunicates, molluscs and insects. The array of cytokine-like factors in invertebrates is currently confined to IL-1, IL-2, IL-6, and TNF. In this study, we investigated presence of cytokines (IL-6, IL-1 α , TNF- α , Complement C3c, α 2-Macroglobulin) in the silkworm, *Bombyx mori*, injected with lipopolysaccharide (LPS) and oligo DNA as immune inducers. SDS-PAGE and Western blot analysis showed absence of cytokines in the hemolymph, mid-gut, and fat body. However, we were able to detect presence of IL-6-like molecule in the hemocytes collected at 24 hours after infection. A more detailed and prolonged experiment will provide a fruitful result.