

Studies on the *In Vivo* Immunomodulatory Properties of *Echinops grijsii* Extract¹

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ABSTRACT

The objective of this study was to evaluate the immunomodulatory effects of *Echinops grijsii* extract in an *in vivo* experiments using BALB/c mice. The non-specific immunomodulatory experiments showed that administration of *E. grijsii* extract significantly ($P<0.05$) increased the phagocytosis percentage of monocytes. Besides, the OVA-specific immunomodulatory experiments showed that administration of *E. grijsii* extract not only significantly ($P<0.05$) enhanced the OVA-specific cell proliferation of mouse splenocytes but also stimulated OVA-specific IgG production significantly ($P<0.05$). It is speculated that the consumption of *E. grijsii* is useful for defending the invading specific antigens.

Key words: *Echinops grijsii*, immunomodulatory function, phagocytosis, cell proliferation, immunoglobulin.

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