Table 1. Comparative precipitin tests[a]

Test antigen	Original anti-γ-FA (undiluted)	Anti-γ-FA immune complexes (1:30)[b]
Meth A serum[c]	+	+ + +
Meth A tumor[d]	+	+ + + +
Normal serum[e]	–	–
Adult spleen[f]	+	+ + + +
Viscera[g]	–	–

[a] Hyland Immuno-Plates, pattern 'D'. Preliminary experiments indicated the precipitin line which formed upon interaction of the original anti-γ-FA serum with a saline extract of adult mouse spleen and that which formed by interaction of anti-γ-FA immune complexes with the same splenic tissue extract was one of identity. [b] Calculated dilution after in vivo absorption. [c,d] Serum and saline extract of tumor tissue obtained from a mouse bearing a transplanted 3-methylcholanthrene-induced fibrosarcoma. [e,f] Obtained from normal adult mice. [g] Individual saline extracts of adult mouse liver, kidney, brain, heart, lung, testes and small intestine pooled from several mice.

tion of antibody activity after in vivo absorption in mice (which have γ-FA-positive spleens) suggests that γ-FA is not a cell surface antigen.

Preparation of a high titer anti-γ-FA serum by immunization with agarose-trapped immune complexes will facilitate future in vitro studies of various aspects of cellular transformation. In addition, the method described should be adaptable to diverse tissue antigen systems.

1 Supported in part by a Biomedical Research Support Grant and Grant ROI-CA-20019-04 from the National Cancer Institute.
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