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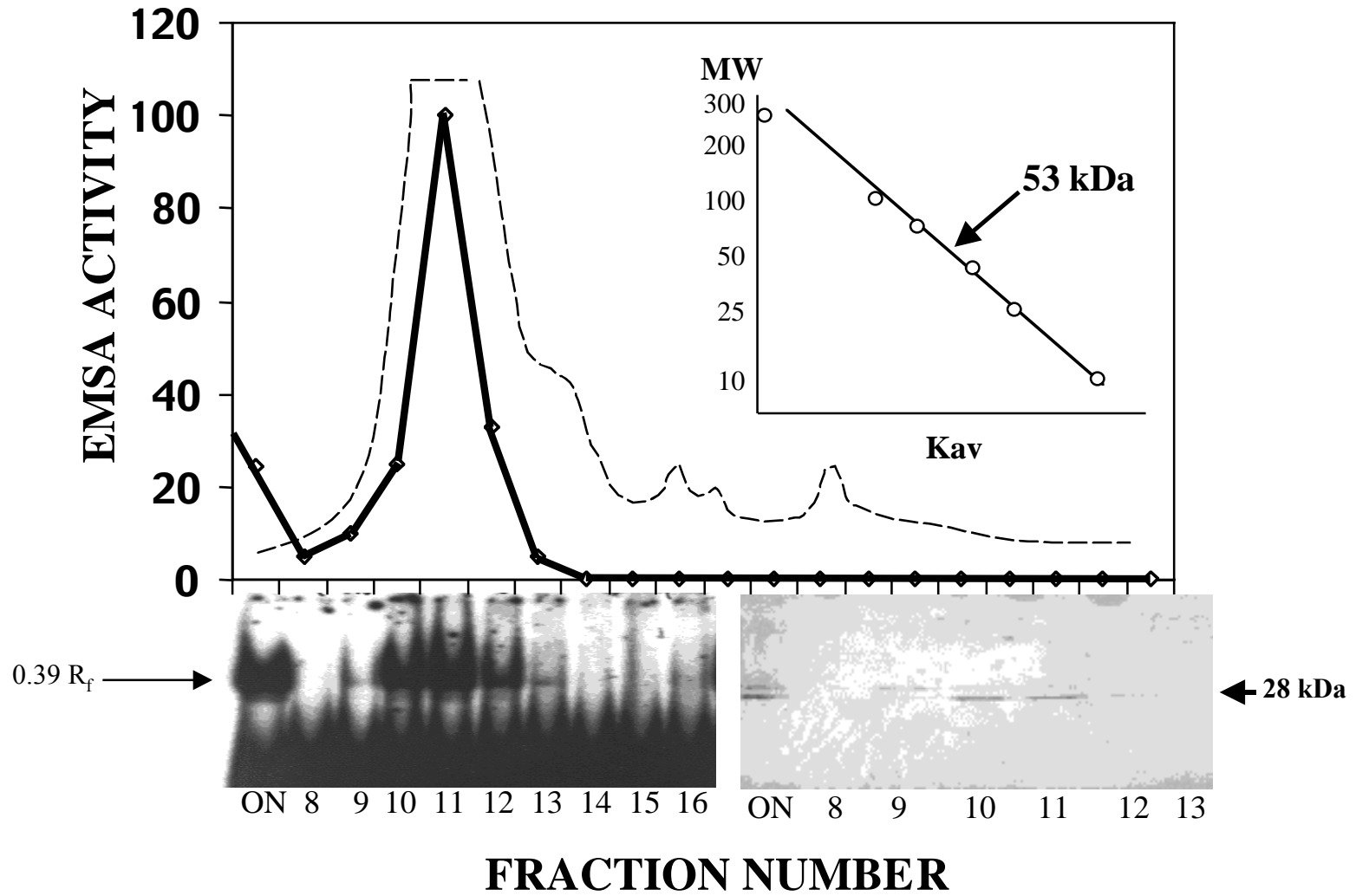


Figure 13. Gel filtration chromatography of TF2.

Active affinity fractions were pooled and subjected to sephacryl 300SW gel filtration chromatography, and compared to elution of molecular weight standards. The gel on the lower left of the figure shows EMSA results from eluted fractions analyzed with the 5'C probe. TF2 can be seen migrating at 0.39 R_f. The thick line in the elution profile shows EMSA activity of the protein fractions. The dotted line represents the absorbance profile of the eluting fractions. A standard curve of MW versus Kav was plotted for the molecular weight standards (insert). The apparent molecular weight of native TF2 was estimated from this standard curve to be 53 kDa. The active gel filtration fractions were concentrated and subjected to SDS-PAGE (lower right) to determine the apparent molecular weight of TF2 monomers. As seen in this gel, TF2 has a subunit apparent molecular weight of 28 kDa. This suggests that TF2 binds the *gp-2* promoter as a homodimer.