

¹²⁵I-labelled proteins of molecular weights 25, 43 to 46, 55 to 60, 74 to 80 and $>100 \times 10^3$ were identified on the surface of adult *S. mansoni*. A glycoprotein of molecular weight $>100\ 000$ was detected by ³H-labelling. Surface iodination of cercariae and schistosomula revealed a labelled band of molecular weight 74 to 80×10^3 .