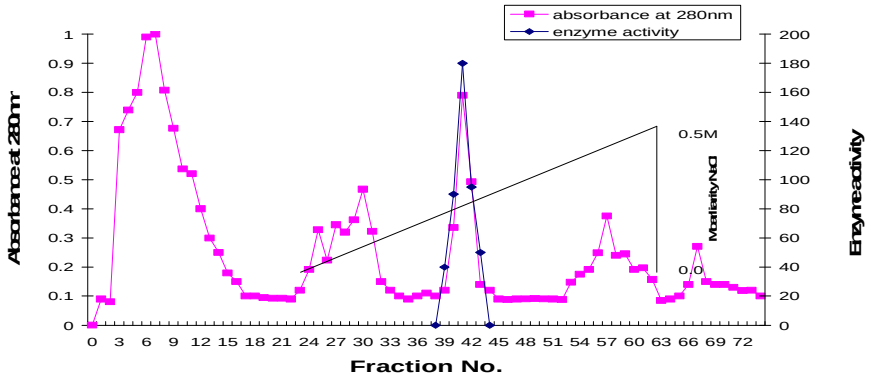

Figure 1: CM-Cellulose chromatography of human polymorphonuclear myeloperoxidase fractions obtained from crude sample. The column (3.5x15 cm) was equilibrated with 0.02M sodium acetate and 0.1M NaCl, pH 5.0 and eluted with a linear gradient in the same buffer from 0-0.5M NaCl. Total gradient was 250 ml.

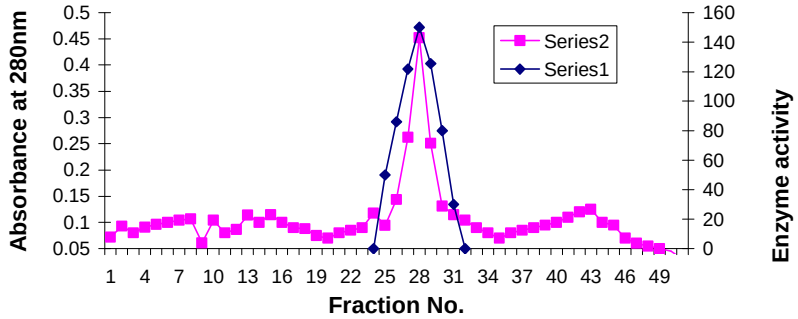

Figure 2: Sephacryl S-200 gel filtration of myeloperoxidase. Concentrated solution from CM-Cellulose (3 ml) was loadaed on a Sephacryl S-200 column (2x70 cm) which was equilibrated Myeloperoxidase was eluted with the same solution and fractions of 3 ml were collected

The molecular mass estimated by two methods; the gel filtration by using Sephacryl S-200 column and with the standard molecular weight protein (Figure 3). The molecular weight was estimated to be 88,000 Daltons .The second method was SDS-polyacrylamide gel electrophoresis, the purified (MPO) appeared as one band at position corresponding to molecular weight of 80,000 daltons (Figures 4 and 5).

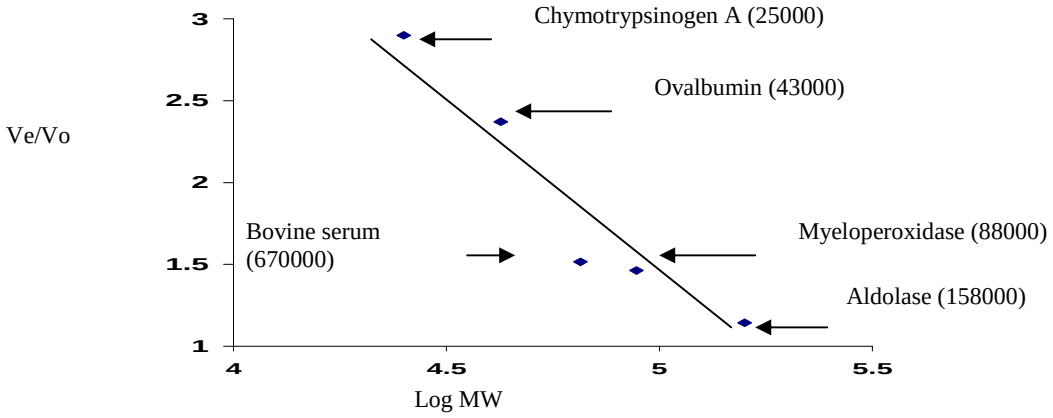

Figure 3: Determination of molecular weight for human MPO by gel filtration by using Sephacryl S-200 Column (70x2 cm)