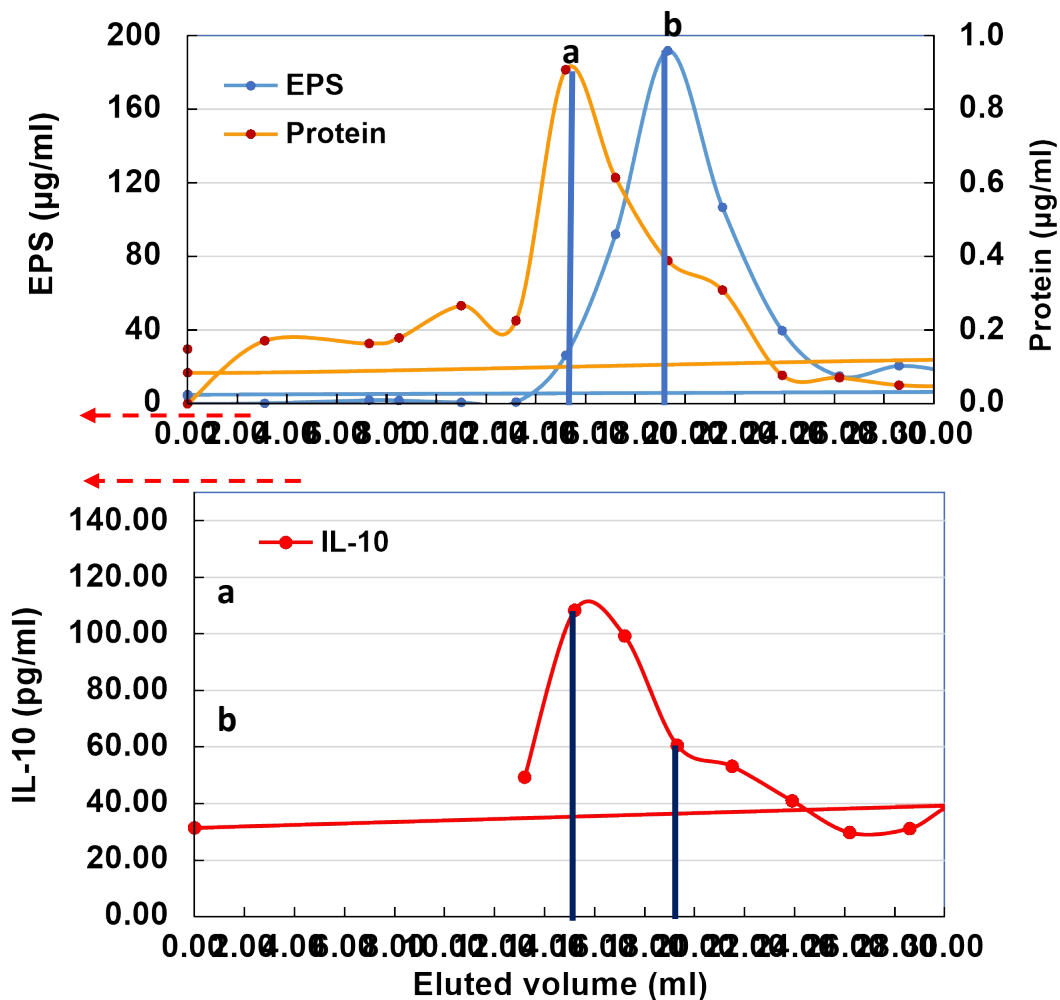## a=highest in protein
b=highest in EPS

(Total activity at a)= (Activity by Protein at a) + (Activity by EPS at a)

Total activity at a (IL-10) = 110 pg/ml

= (Activity by Protein)a + (Activity by EPS) b

= 0.9 (µg/ml) x A + 20 (µg/ml) x B ————————— **(A)**

A= coefficient; activity by protein per concentration (pg/ml)/(µg/ml)
B= Coefficient; activity by EPS per concentration (pg/ml)/(ug/ml)

(Total activity at b)= (Activity by Protein at b) + (Activity by EPS at b)

Total activity(IL-10) = 60 pg/ml

= (Activity by Protein)a + (Activity by EPS) b

= 0.4 (µg/ml) x A + 180 (µg/ml) x B ————————— **(B)**
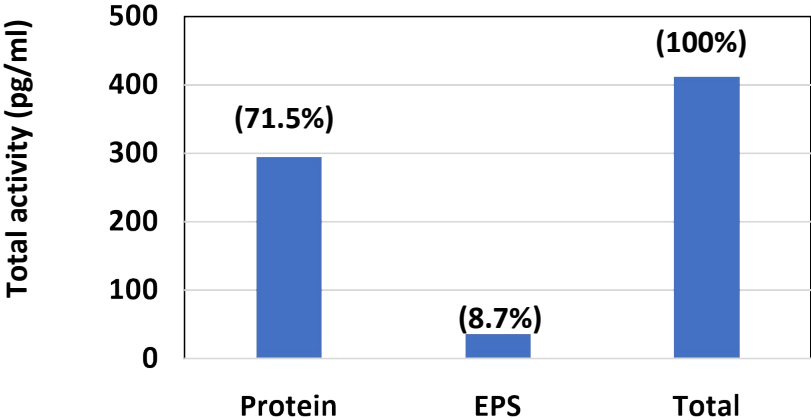
From (A) and (B)
A is 120.1 pg/ml/ µg protein/ml
B is 0.065 pg/ml/ µg EPS/ml

From (A) and (B)
Coefficient A is 120.1 (pg/ml)/ (μg protein/ml)
Coefficient B is 0.065 (pg/ml)/ (μg EPS/ml)

From coefficients A and B Activity (Protein) and Activity (EPS) estimated are showed in following Fig.
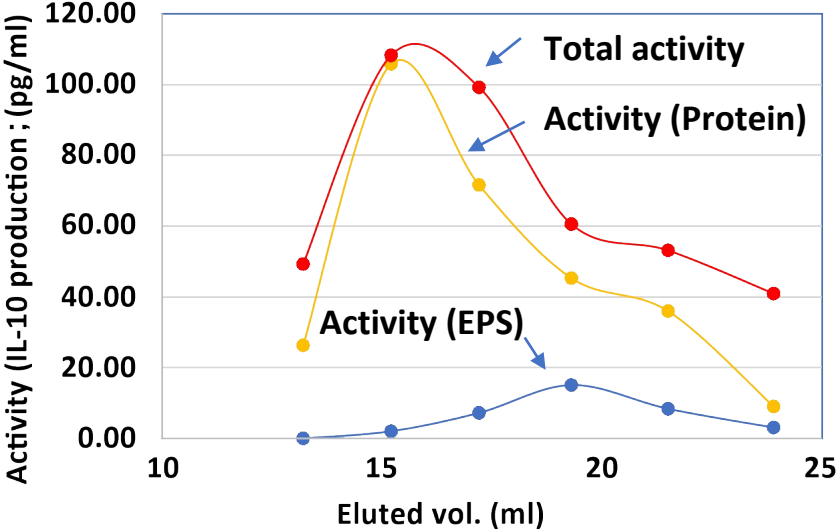
Predicted activities of Protein and EPS

Estimated contribution of total Protein and EPS

<u>**Contribution of Protein on IL-10 inducing activity was estimated as 71.5%.**</u>

Fig. S4. Estimated contributions of protein and EPS on IL-10 inducing activities of fractions of gel filtration (Bio-gel P-100) and combined activity.