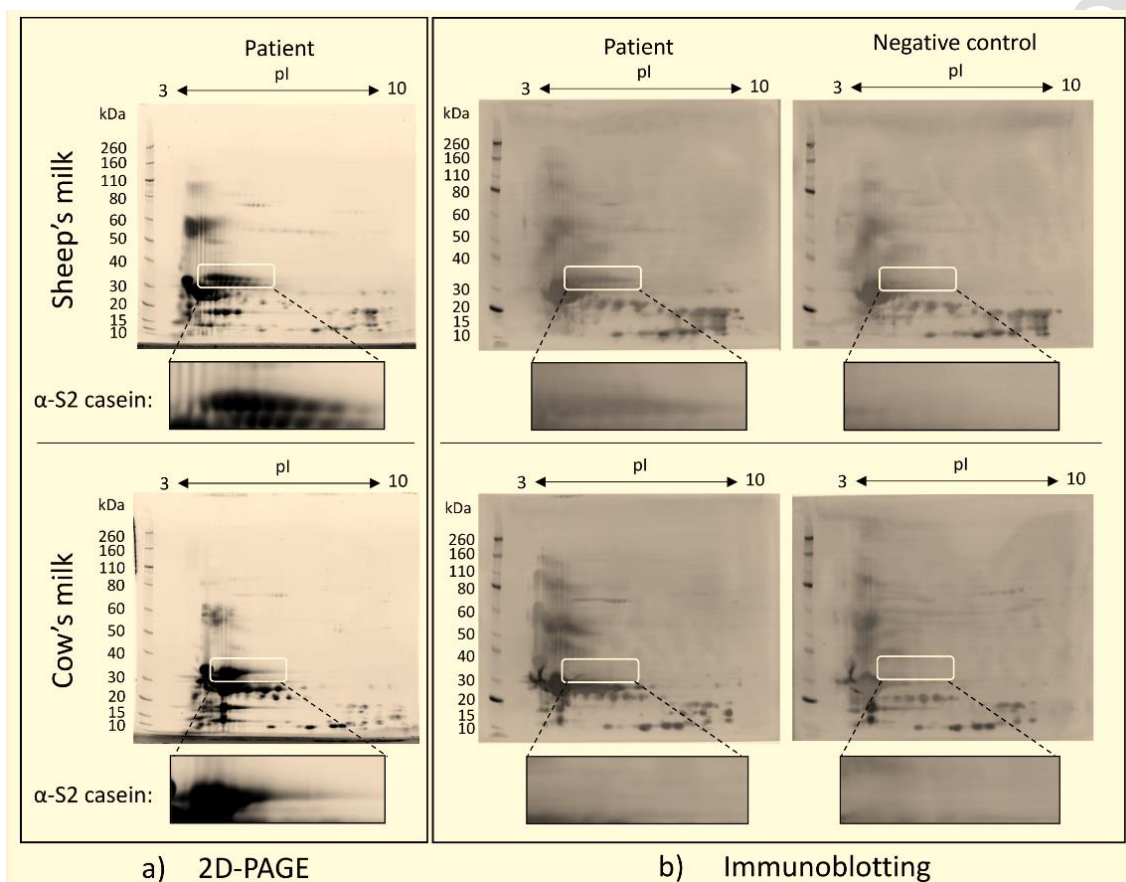


Supplementary Material

Fig.1. Antigen analysis of cow's milk and sheep's milk using two-dimensional immunoblotting.



(A) and (B) show the images of two-dimensional polyacrylamide gelelectrophoresis and immunoblotting of sheep's milk (upper panel) and cow's milk (lower panel), respectively. The protein in sheep's milk to which the patient's immunoglobulin E (IgE) antibody shows specific binding was identified as α -S2 casein. The specific IgE antibody in this patient did not bind to the α -S2 casein in cow's milk. The patient's IgE antibody shows specific binding to no other protein.