**BACKGROUND**

Collectin 43 (CL-43) is a cow C-type serum lectin and a member of the collectin family of soluble proteins that are effector molecules in innate, non-adaptive immune defense against viral, fungal and bacterial pathogens. All collectins bind to microbial surface carbohydrates, inducing aggregation and thereby impeding infectivity or mediating phagocytosis through specific receptors on the phagocytes. Collectin 43 binds to mannan in a calcium-dependent manner. This collectin appears to have evolutionarily evolved from surfactant protein D (SP-D). Collectin 43 is synthesized in cow liver and is composed of subunits of three identical chains, each of which contains a collagen region and a C-type carbohydrate recognition domain. Two isoforms of Collectin 43 exist: the native form and the truncated form of the molecule. The variability of serum Collectin 43 may relate to disease in cows.

**REFERENCES**


**SOURCE**

Collectin 43 (260-04) is a mouse monoclonal antibody raised against native Collectin 43 of cow origin.