BACKGROUND

Ovalbumin is a member of the serpin superfamily of proteins, although unlike most of the serpins, it is unable to inhibit any proteases. Ovalbumin is the main protein present in egg white, and it may function as a storage protein. It is a secreted glycoprotein of 385 amino acids. Ovalbumin is able to chelate to heavy metals and trap the metal ions within the matrix of the protein, so it is commonly administered in cases where poisoning by heavy metals is suspected. It is also useful in many research settings such as proteomics, where it is commonly used as a molecular weight marker for calibrating electrophoresis gels, or in immunology to stimulate an allergic reaction in test subjects. Because it is available in large quantities, Ovalbumin is advantageous in general studies of protein structure and properties.

REFERENCES


SOURCE

Ovalbumin (094-06) is a mouse monoclonal antibody raised against full length native Ovalbumin of chicken origin.