

Polyclonal Antibody to Human Casein - Serum

Catalog No.:	BP330
Quantity:	1 ml
Background:	Casein is the predominant phosphoprotein found in fresh milk, as a salt of calcium. Casein is not coagulated by heat. It is precipitated by acids and by rennet, a proteolytic enzyme typically obtained from the stomachs of calves. The enzyme trypsin can hydrolyze off a phosphate-containing peptone. Casein consists of a fairly high number of proline peptides, which do not interact. There are also no disulphide bridges. As a result, it has relatively little secondary structure or tertiary structure. Because of this, it cannot denature. It is relatively hydrophobic, making it poorly soluble in water. It is found in milk as a suspension of particles called casein micelles which show some resemblance with surfactant-type micellae in a sense that the hydrophilic parts reside at the surface. The caseins in the micelles are held together by calcium ions and hydrophobic interactions.
Host:	Sheep
Immunogen:	Human Casein
Format:	State: Liquid Serum without preservatives.
Applications:	ELISA > 1/150 (50%B). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Specific for Casein. No cross-reactivity with alpha-Lactalbumin. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.