

AM03077PU-N**Monoclonal Antibody to Bovine IgG (light chain) - Purified**

Alternate names:	Bovine Immunoglobulin G
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	IVA285-1
Immunogen:	Fraction of Bovine immunoglobulin
Format:	State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography on Protein A Buffer System: PBS, pH 7.4 Preservatives: 15 mM Sodium Azide
Applications:	Western Blotting (<i>Reducing Conditions</i>): 0.5-1 µg/ml, overnight in 4°C. SDS-PAGE (12% separating gel). Positive Control and Sample Preparation: BS (Bovine Serum), dilution 1/50 in Laemmli reducing buffer, boiled in water bath for 3 min. Strongly reacts with Bovine IgG light chains, weakly reacts with IgM. Flow Cytometry. Immunohistochemistry on Frozen Sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody IVA285-1 reacts with Bovine IgG (light chains). IgG light chains (kappa and lambda types) consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region.
Species Reactivity:	Tested: Bovine, Sheep
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
Product Citations:	Originator or purchased from resellers: 1. Antalíková J, Simon M, Jankovicová J, Horovská L, Dusinský R, Hluchý S. Monoclonal antibody to the light chain of bovine immunoglobulin. Hybridoma (Larchmt). 2006 Oct;25(5):309-12. PubMed PMID: 17044788.

Pictures:

Detection of IgG light chain in reduced samples of Fetal Calf Serum (left lane) and Bovine Serum (right lane) by antibody IVA285-1. This antibody is a suitable tool for in-house quality controls of Fetal Calf Serum (Hybridoma Cell Culture grade).

