



# Bovine Immunoglobulin G

**Product Code** CSB-NP008001B

**Relevance** IgG is a monomeric immunoglobulin, built of two heavy chains gamma and two light chains. Each molecule has two antigen binding sites. This is the most abundant immunoglobulin and is approximately equally distributed in blood and in tissue liquids, constituting 75% of serum immunoglobulins. It can bind to many kinds of pathogens, for example viruses, bacteria, and fungi, and protects the body against them by complement activation (classic pathway), opsonization for phagocytosis and neutralisation of their toxins. There are 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%).

**Storage** Aliquot and store at -20°C or -80°C. Avoid repeated freeze/thaw cycles.

**Tested Applications** ELISA, WB, SDS-PAGE

**Form** Liquid

**Storage Buffer** PBS, pH 7.4

**Alias** IgG

**Product Type** Native Protein

**Sensitivity** Not test

**Purity** ≥95% (SDS-PAGE)

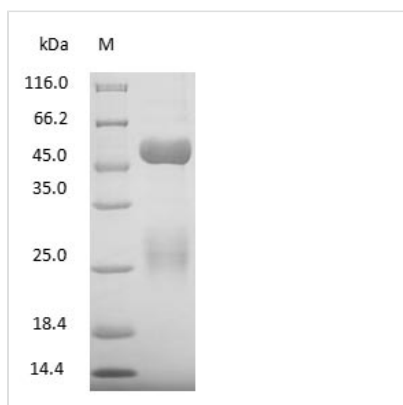
**Sequence** Full length protein

**Research Area** Immunology

**Source** Purified from Bovine plasma

**Protein Names** Bovine Immunoglobulin G

## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.