

**Catalogue No.**

AB1147-500

**Qty:**

1 mg

## Anti-Human IgG, HRP

**Source:** Goat

**General description:** Goat polyclonal antibody to human IgG. IgG is a monomeric immunoglobulin, with two heavy chains and two light chains. IgG can be found in blood and is the most abundant immunoglobulin, constituting 75% of serum immunoglobulins in humans. There are 4 subclasses (IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%)) that can bind to many types of pathogens, protecting the body against them by complement activation, opsonization for phagocytosis and neutralisation of their toxins.

**Alternative names:** Immunoglobulin G antibody.

**Form:** Polyclonal antibody supplied as a 500 µl (2 mg/ml) aliquot in PBS, 50% glycerol and 0.05% sodium azide.

**Immunogen:** Full human IgG affinity purified from serum of four normal donors tested and found negative for Hepatitis B, Hepatitis C, HIV I and II antibodies using protein G. Purity >95% by SDS-PAGE.

**Specificity:** Using serum samples detects human IgG by Western blot. Reduced cross-reactivity to other species.

**Reactivity:** Reacts with Human proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	ND	ND	ND	+++

+++ excellent, ++ good, + poor, ND not determined

**Usage:**

WB: 1:2,000-1:10,000

ELISA: 1:20,000-1:100,000

**Storage:** For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

**Special instructions:** The antibody solution should be gently mixed before use. Avoid freeze/thaw cycles..

For research use only, not for diagnostic use

**SICGEN's Proprietary Immunogen Policy**

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.