



[Go to Product page](#)

Datasheet for ABIN7139886
anti-IgG3 antibody (AA 312-324) (HRP)

Overview

Quantity:	100 µL
Target:	IgG3
Binding Specificity:	AA 312-324
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IgG3 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Peptide sequence from Human Immunoglobulin heavy constant gamma 3 protein (312-324AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	IgG3
Alternative Name:	IGHG3 (IgG3 Products)
Target Type:	Antibody
Background:	Background: Constant region of immunoglobulin heavy chains. Immunoglobulins, also known

Target Details

as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins-secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which results in the elimination of bound antigens (PubMed:22158414, PubMed:20176268). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen (PubMed:17576170, PubMed:20176268).

Aliases: IGHG3Immunoglobulin heavy constant gamma 3 antibody, HDC antibody, Heavy chain disease protein antibody, Ig gamma-3 chain C region antibody

UniProt: [P01860](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.