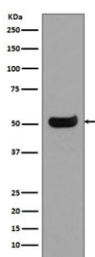


## Human IgG4 Antibody [clone DCF-9] (RQ4982)

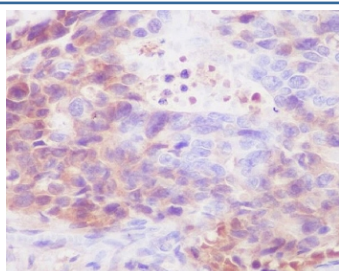
Catalog No.	Formulation	Size
RQ4982	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	DCF-9
Purity	Affinity purified
UniProt	P01861
Applications	Western Blot : 1:1000-1:2000 Immunohistochemistry (FFPE) : 1:500-1:1000
Limitations	This Human IgG4 antibody is available for research use only.



Western blot testing of human spleen lysate with Human IgG4 antibody. Predicted molecular weight ~50 kDa.



IHC staining of FFPE human stomach carcinoma with Human IgG4 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

## Description

Gamma 4 constant region of immunoglobulin heavy chains. Immunoglobulins, also known 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. [UniProt]

## Application Notes

Optimal dilution of the Human IgG4 antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to Human IgG4 / IGHG4 was used as the immunogen for the IgG4 antibody.

## Storage

Store the Human IgG4 antibody at -20oC.