

# Human IgG4 Antibody

Catalog No: #48305



Package Size: #48305-1 50ul #48305-2 100ul

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## Description

Product Name	Human IgG4 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	2G1
Purification	ProA affinity purified
Species Reactivity	Hu
Immunogen Description	IgG4 of human origin.
Other Names	Ig gamma 4 chain C region antibody IGHG4 antibody immunoglobulin heavy chain constant region gamma 4 antibody Immunoglobulin heavy constant gamma 4 (G4m marker) antibody MGC117419 antibody
Accession No.	Swiss-Prot#:P01861
Uniprot	P01861
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

## Background

The regions of relatively constant sequence beyond the variable regions of immunoglobulins are termed constant regions (C regions) and are present in both the heavy and light chains. With very few exceptions, the sites of attachment for carbohydrates on immunoglobulins are located in these C regions. These regions also function to hold the variable regions together by using the disulfide bond between them. The C regions facilitate interaction with the antigen by increasing the maximum rotation of the immunoglobulin arms. Several studies have shown that a large population of patients with recurrent respiratory tract infection have low IgG4 concentrations.

## References

Note: This product is for in vitro research use only