

Product datasheet

Anti-Human IgG antibody [RM116] ab195574

Recombinant

[1 References](#) [4 Images](#)

Overview

Product name	Anti-Human IgG antibody [RM116]
Description	Rabbit monoclonal [RM116] to Human IgG
Host species	Rabbit
Tested applications	Suitable for: Sandwich ELISA, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Full length native protein (purified) corresponding to Human IgG. Human IgG purified from Human plasma.
Positive control	Human tonsil tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 1% BSA, PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Purification notes	ab195574 was purified from an animal origin-free culture supernatant.
Clonality	Monoclonal
Clone number	RM116
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab195574 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Sandwich ELISA		Use a concentration of 1 µg/ml. May be paired with ab193185 .
IHC-P		Use a concentration of 0.5 - 2 µg/ml.

Target

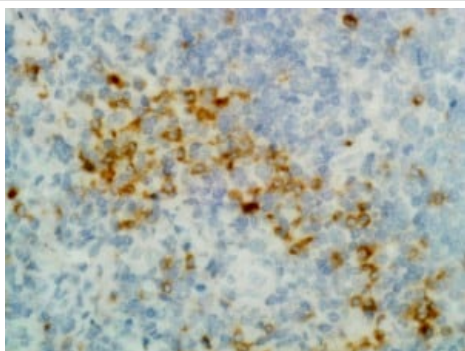
Relevance

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 in humans. This is the only isotype that can pass through the human placenta, thereby providing protection to the fetus in its first weeks of life before its own immune system has developed. 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%).

Cellular localization

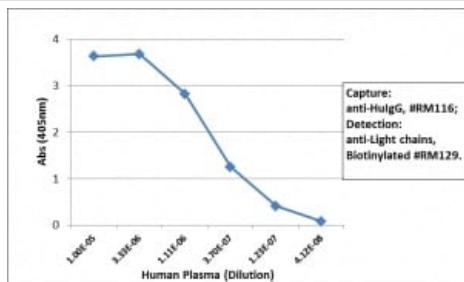
Cell Membrane and Secreted

Images



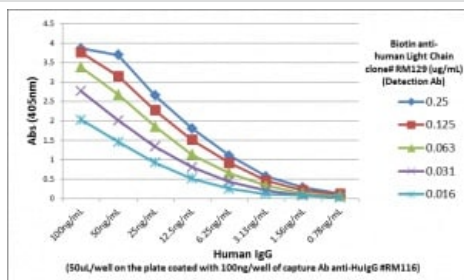
Immunohistochemical analysis of Human tonsil tissue labeling Human IgG with ab195574 at 2 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Human IgG antibody [RM116] (ab195574)



Sandwich ELISA - Anti-Human IgG antibody
[RM116] (ab195574)

Sandwich ELISA using ab195574 as the capture antibody (100 ng/well), and biotinylated anti-Human light chains ($\kappa + \lambda$) antibody as the detection antibody (1 $\mu\text{g/mL}$), followed by an alkaline phosphatase conjugated streptavidin.



Sandwich ELISA - Anti-Human IgG antibody
[RM116] (ab195574)

Sandwich ELISA using ab195574 as the capture antibody (100 ng/well), and biotinylated anti-Human light chains ($\kappa + \lambda$) antibody as the detection antibody (1 $\mu\text{g/mL}$), followed by an alkaline phosphatase conjugated streptavidin.

Why choose α recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Human IgG antibody [RM116] (ab195574)

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