

Product datasheet

Anti-Human IgG antibody [E20V] ab180555

2 Images

Overview

Product name	Anti-Human IgG antibody [E20V]
Description	Rabbit monoclonal [E20V] to Human IgG
Host species	Rabbit
Tested applications	Suitable for: IHC-Fr, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Human IgG (internal sequence). The exact sequence is proprietary. Database link: P01857
Epitope	Antibody recognizes the epitope located between Val167 - Val185
Positive control	Human plasma cells in tonsillar 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	pH: 8.00 Preservative: 0.05% Sodium azide Constituents: 2% BSA, 0.32% Tris HCl
Purification notes	This immunoglobulin is the product of one single B-cell line from the crude anti-peptide polyclonal anti-serum. ab180555 is purified using a propriety technique and offers a completely post-translationally modified and properly glycosylated antibody. This offers increased stability.
Clonality	Monoclonal
Clone number	E20V
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab180555** 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
IHC-Fr		Use at an assay dependent concentration.
IHC-P		1/100 - 1/300. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

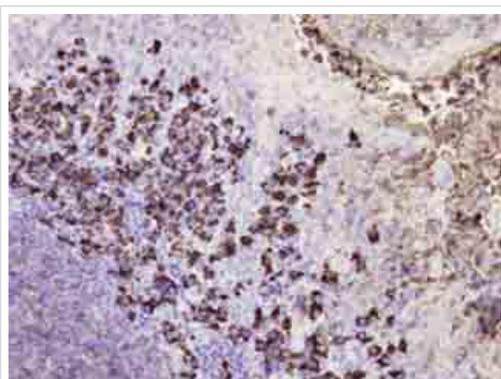
Relevance

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

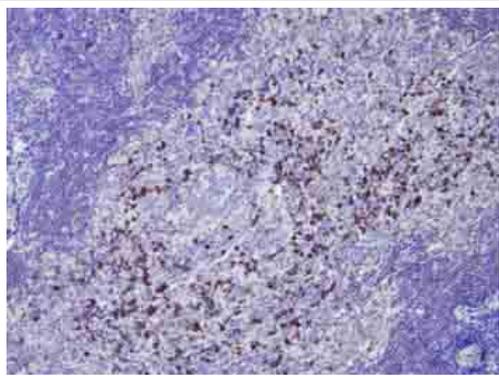
Cell Membrane and Secreted

Images



Immunohistochemical analysis of paraffin-embedded Human tonsillar tissue (plasma cells) labeling IgG with ab180555 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Human IgG antibody [E20V] (ab180555)



Immunohistochemical analysis of paraffin-embedded Plasma cells of IgG4-related chronic sclerosing sialoadenitis, labeling IgG with ab180555 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Human IgG antibody [E20V] (ab180555)

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