

Datasheet for ABIN7447926

**IgG1 Protein (Asn317Phe-Mutant, Cys103Ser-Mutant, His316Lys-Mutant, Met135Tyr-Mutant, Ser137Thr-Mutant, Thr139Glu-Mutant) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 200 µg   |
| Target:                       | IgG1   |
| Protein Characteristics:      | Asn317Phe-Mutant, Cys103Ser-Mutant, His316Lys-Mutant, Met135Tyr-Mutant, Ser137Thr-Mutant, Thr139Glu-Mutant |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells  |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This IgG1 protein is labelled with His tag.  |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Human IgG1 Fc (C103S, M135Y, S137T, T139E, H316K, N317F) Protein, His Tag  |
| Sequence:        | Glu 99 - Lys 330   |
| Characteristics: | Human IgG1 Fc (C103S, M135Y, S137T, T139E, H316K, N317F), His Tag is expressed from human 293 cells (HEK293). It contains AA Glu 99 - Lys 330 (Accession # P01857-1 (C103S, M135Y, S137T, T139E, H316K, N317F)). |
| Purity:          | 95,00 %  |
| Endotoxin Level: | 1.0 EU per µg  |

## Target Details

|           |                               |
|-----------|-------------------------------|
| Target:   | IgG1                          |
| Abstract: | <a href="#">IgG1 Products</a> |

## Target Details

|                   |   |
|-------------------|---|
| Target Type:      | Antibody  |
| Background:       | Synonyms:IgG1,Description:Crystallizable fragments composed of the carboxy-terminal halves of both IMMUNOGLOBULIN HEAVY CHAINS linked to each other by disulfide bonds. Fc fragments contain the carboxy-terminal parts of the heavy chain constant regions that are responsible for the effector functions of an immunoglobulin (COMPLEMENT fixation, binding to the cell membrane via FC RECEPTORS, and placental transport). IgG1 Fc was reported has a novel role as a potential anti-inflammatory drug for treatment of human autoimmune diseases. |
| Molecular Weight: | 28.1 kDa  |

## Application Details

|               |  |
|---------------|--|
| Comment:      | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 28.1 kDa. The protein migrates as 30-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| Restrictions: | For Research Use only  |

## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Buffer:          | 51 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5 |
| Storage:         | -20 °C  |
| Storage Comment: | -20°C   |