## Overview

**Product name**
Native Human IgG1 protein

**Protein length**
Full length protein

## Description

**Nature**
Native

**Source**
Native

**Amino Acid Sequence**

**Species**
Human

## Specifications

Our Abpromise guarantee covers the use of **ab90283** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications**
SDS-PAGE

**Purity**
>95% by SDS-PAGE.

**Form**
Liquid

**Additional notes**
Protein Determination: Extinction Coefficient (E) 0.1% at 280nm =1.36.
Prepared from myeloma plasma shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 and 2 by FDA approved tests.

## Preparation and Storage

**Stability and Storage**
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 7.40
Preservative: 0.05% Sodium azide
Constituents: 0.0536% PBS, 0.87% Sodium chloride

## General Info
Relevance

There are four IgG subclasses (IgG1, 2, 3 and 4) in humans, named in order of their abundance in serum (IgG1 being the most abundant).

Cellular localization

Secreted. Cell membrane; Single-pass membrane protein

Images

The wells were coated with ab200699 at 5µg/ml at 50µl/well overnight at 4°C, followed by a 5% BSA blocking step for 2h RT. Human IgG1 (ab90283) was then added starting at 100 µg/ml and plasma/serum at 1:50 and gradually diluted 1:4, 50µl/well for 2h. Ab201485 was then added at 1:10,000 dilution, 50µl/well for 2h. A HRP-streptavidin (ab7403) was used at 1:10,000 dilution for 1h.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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