## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Native Human IgG4 protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
</tbody>
</table>

## Description

<table>
<thead>
<tr>
<th>Nature</th>
<th>Native</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Native</td>
</tr>
<tr>
<td>Amino Acid Sequence</td>
<td>Human</td>
</tr>
</tbody>
</table>

## Specifications

Our Abpromise guarantee covers the use of ab90286 in the following tested applications.

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

### Biological activity

Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 and 2 by FDA approved tests.

### Applications

SDS-PAGE

### Purity

> 95 % SDS-PAGE.

### Form

Liquid

### Additional notes

IgG4 from human myeloma plasma. MW: 146,000.

Protein Determination: Extinction Coefficient (E) 0.1% at 280nm =1.36.

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

Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.

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

IgG4 antibodies will dominate the IgG response in schistosomiasis, lymphatic filariasis, and in patients after allergen immunotherapy. Unlike the other IgG subclasses, IgG4 does not activate complement. A combined IgA-IgG4 deficiency has been associated with recurrent pyogenic infections.

Cellular localization

Secreted

Images

SDS-PAGE analysis of human IgG4 full length protein (ab90286).

1. IgG4 - 5 μg (reduced / heated)
2. IgG4 - 10 μg (reduced / heated)
3. IgG4 - 20 μg (reduced / heated)
4. IgG4 - 5 μg (non-reduced / no heat)
5. IgG4 - 10 μg (non-reduced / no heat)
6. IgG4 - 20 μg (non-reduced / no heat)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors