

## Product datasheet

# Recombinant Human MHC Class II beta protein ab114224

[1 Image](#)

### Overview

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<b>Product name</b>	Recombinant Human MHC Class II beta protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ

### Amino Acid Sequence

<b>Accession</b>	<a href="#">P04440</a>
<b>Species</b>	Human
<b>Sequence</b>	MMVLQVSAAPRTVALTALLMVLLTSVVQGRATPENVYQGRQECYAFNGT QRFLERYYNREEYARFDSVDVGEFR AVTELGRPAAEYWNSQKDILEEK RAVPDRVCRHNYELDEAVTLQRRVQPKVNVSPSKKGPLQHHNLLVCHVTD FY PGSIQVRWFLNGQEETAGVVSTNLIRNGDWTFQILVMLEMTPQQGD VYCQVEHTSLDSPVTVEWKAQSDSAQSK TLTGAGGFVLGLICGVGI FMHRRSKKVQRGSA
<b>Molecular weight</b>	54 kDa including tags
<b>Amino acids</b>	1 to 258

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab114224** in the following tested applications.

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

<b>Applications</b>	ELISA SDS-PAGE Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 mg/ml.

Best use within three months from the date of receipt of this protein.

## Preparation and Storage

### Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

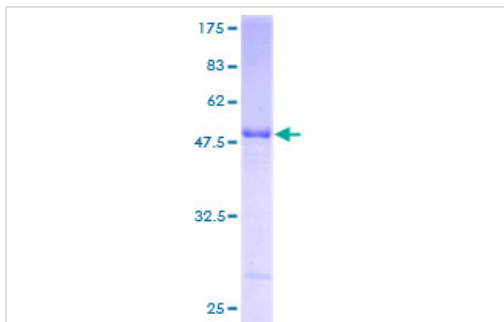
### Relevance

Major Histocompatibility Class II molecules are primarily expressed on B-cells and antigen presenting cells (APCs). They are composed of two polypeptide chains. These polypeptides (alpha and beta) are about 230 and 240 amino acids long, respectively, and are glycosylated. These polypeptides fold into two separate domains; the non-polymorphic alpha chain and the polymorphic beta chain. The antigen binding region of the molecule is bounded by a beta-pleated sheet on the bottom and two alpha helices on the sides, and is capable of binding (via non-covalent interactions) a small peptide of about 10 amino acids.

### Cellular localization

Cell Membrane

## Images



SDS-PAGE - MHC Class II beta protein (ab114224)

ab114224 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

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

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- Replacement or refund for products not performing as stated on the datasheet
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