

Product datasheet

Recombinant Human MHC Class II beta protein ab114224

[1 Image](#)

Overview

Product name	Recombinant Human MHC Class II beta protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Accession	P04440
Species	Human
Sequence	MMVLQVSAAPRTVALTALLMVLLTSVVQGRATPENVYQGRQECYAFNGT QRFLERYYNREEYARFDSVDGEFR AVTELGRPAAEYWNSQKDILEEK RAVPDRVCRHNYELDEAVTLQRRVQPKVNVSPSKKGPLQHHNLLVCHVTD FY PGSIQVRWFLNGQEETAGVVSTNLIRNGDWTFQILVMLEMTPQQGD VYCQVEHTSLDSPVTVEWKAQSDSAQSK TLTGAGGFVLGLICGVGI FMHRRSKKVQRGSA
Molecular weight	54 kDa including tags
Amino acids	1 to 258

Specifications

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.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	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

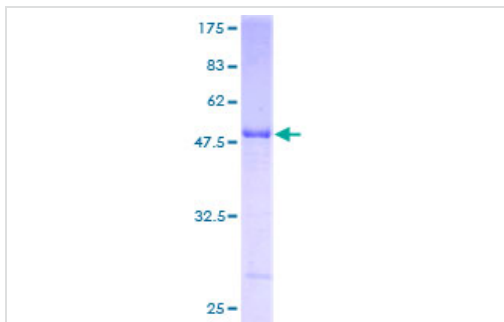
Relevance

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



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

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

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