

Datasheet for ABIN7196975

CD20 Protein (TRX tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CD20 (MS4A1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD20 protein is labelled with TRX tag.

Product Details

Purpose:	Recombinant Human CD20/MS4A1 Protein (TrxA Tag)
Sequence:	Ile 141-Ser 188
Characteristics:	A DNA sequence encoding the human MS4A1 (NP_068769.2) (Ile141-Ser188) was expressed with a TrxA tag at the N-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.

Target Details

Target:	CD20 (MS4A1)
Alternative Name:	CD20/MS4A1 (MS4A1 Products)
Background:	Background: CD20 (membrane-spanning 4-domains; subfamily A; member 1); also known as MS4A1; is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and

Target Details

nonlymphoid tissues. CD20 / MS4A1 is expressed on all stages of B cell development except the first and last. CD20 / MS4A1 is present from pre-pre B cells through memory cells; but not on either pro-B cells or plasma cells. It is a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. CD20 / MS4A1 may be involved in the regulation of B-cell activation and proliferation. Defects in CD20 / MS4A1 are the cause of immunodeficiency common variable type 5 (CVID5). CVID5 is a primary immunodeficiency characterized by antibody deficiency; hypogammaglobulinemia; recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B-cells is usually in the normal range; but can be low. Immune

Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy

Synonym: B1;Bp35;CD20;CVID5;LEU-16;MS4A1;MS4A2;S7

Molecular Weight: 23.9 kDa

NCBI Accession: [NP_068769](#)

Application Details

Restrictions: For Research Use only

Handling

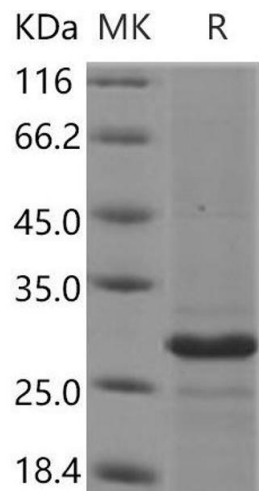
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 150 mM NaCl, 1 mM EDTA, pH 8.0

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.