

[Go to Product page](#)

Datasheet for ABIN6388211

**CD44 Protein (CD44) (AA 21-220) (hIgG-His-tag)**

## Overview

Quantity:	50 µg
Target:	CD44
Protein Characteristics:	AA 21-220
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD44 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	QIDLNITCRF AGVFHVEKNG RYSISRTEAA DLCKAFNSTL PTMAQMEKAL SIGFETCRYG FIEGHVWIPR IHPNSICAA N TGVIYILTSN TSQYD TYCFN ASAPPEEDCT SVTDLPNAFD GPITITIVNR DGTRYVQKGE YRTNPEDIYP SNPTDDD VSS GSSSERSSTS GGYIFYTFST VHIPDEDSP WITDSTDRIP LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSGGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLSPGKHHHHHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1µg of protein (determined by LAL method)

## Target Details

---

Target:	CD44
Alternative Name:	<a href="#">CD44 (CD44 Products)</a>
Background:	CD44, also known as CD44 antigen isoform 1, is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. The most extensively characterized ligand for CD44 is hyaluronan, a component of the extracellular matrix. It is expressed on the majority of immune cells. The binding of CD44 to hyaluronan is induced on T lymphocytes after activation by antigen and on monocytes after stimulation by inflammatory agents. It improves the prognostic efficacy of tumor differentiation. It might be determinant of differentiation characteristics, imparting properties of increased self-renewal, migration, and invasion. Also it involved in lymphocyte activation, recirculation and homing, and hematopoiesis. Recombinant human CD44, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	49kDa (439aa) 57-70kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	<a href="#">NP_000601</a>
UniProt:	<a href="#">P16070</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

---

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

---

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.