

# Recombinant human CD44 protein (Active) ab173996

3 References [画像数 2](#)

### 製品の詳細

製品名	Recombinant human CD44 protein (Active)	
生理活性	ab173996 at 5 µg/mL (100 µL/well) can bind Hyaluronan biotin sodium salt with a linear range of 39-156 ng/mL.	
精製度	> 90 % SDS-PAGE.	
エンドキシン・レベル	< 1.000 Eu/µg	
発現系	HEK 293 cells	
アクセッション番号	<b>P16070-1</b>	
タンパク質長	Protein fragment	
Animal free	No	
由来	Recombinant	
生物種	Human	
配列	QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPT MAQMEKAL SIGFETCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSNTS QYDTYCFN ASAPPEEDCTSVTDLPNAFDGPITITIVNRDGRYVQKGEYR TNPEDIYP SNPTDDDVS S GSSSERSS TSGGYIFYTFSTVHPIPEDSPWI TDSTDRIP	
予測される分子量	22 kDa including tags	
領域	21 to 220	
タグ	His tag C-Terminus	

### 特性

Our **Abpromise guarantee** covers the use of **ab173996** in the following tested applications.

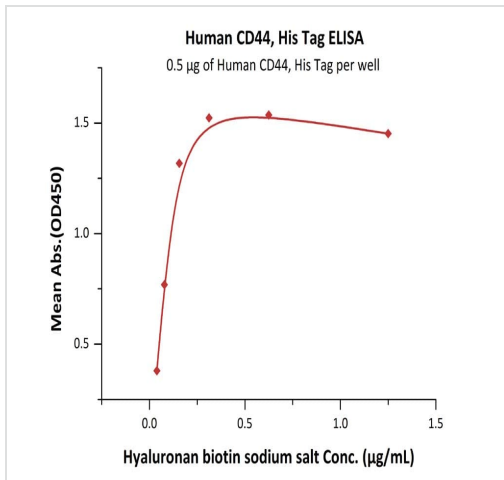
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	ELISA
	SDS-PAGE
製品の状態	Lyophilized

<b>備考</b>	<p>This product is stable after storage at:</p> <p>-20°C to -70°C for 12 months in lyophilized state;</p> <p>-70°C for 3 months under sterile conditions after reconstitution.</p>
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<b>前処理および保存</b>	
<b>保存方法および安定性</b>	<p>Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Please see notes section.</p> <p>pH: 7.40</p> <p>Constituent: 95% PBS</p> <p>ab173996 was lyophilized from 0.22 µm filtered solution. 5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%.</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
<b>再構成</b>	<p>Reconstitute with sterile deionized water to a concentration of 400 µg/ml.</p>
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<b>関連情報</b>	
<b>機能</b>	<p>Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events.</p>
<b>組織特異性</b>	<p>Isoform 10 (epithelial isoform) is expressed by cells of epithelium and highly expressed by carcinomas. Expression is repressed in neuroblastoma cells.</p>
<b>配列類似性</b>	<p>Contains 1 Link domain.</p>
<b>ドメイン</b>	<p>The lectin-like LINK domain is responsible for hyaluronan binding.</p>
<b>翻訳後修飾</b>	<p>Proteolytically cleaved in the extracellular matrix by specific proteinases (possibly MMPs) in several cell lines and tumors.</p> <p>N-glycosylated.</p> <p>O-glycosylated; contains more-or-less-sulfated chondroitin sulfate glycans, whose number may affect the accessibility of specific proteinases to their cleavage site(s).</p> <p>Phosphorylated; activation of PKC results in the dephosphorylation of Ser-706 (constitutive phosphorylation site), and the phosphorylation of Ser-672.</p>
<b>細胞内局在</b>	<p>Membrane.</p>

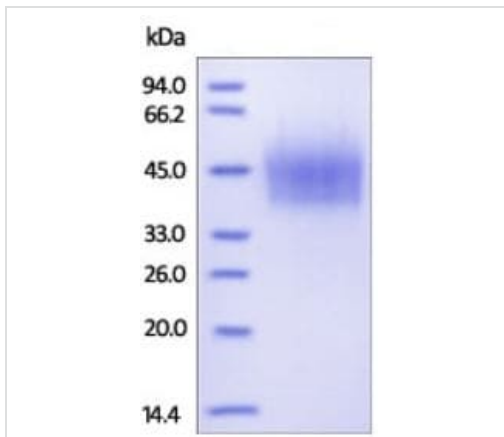
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**画像**



ab173996 at 5 µg/mL (100 µL/well) can bind Hyaluronan biotin sodium salt with a linear range of 39-156 ng/mL.

ELISA - Recombinant Human CD44 protein (His tag)  
(ab173996)



SDS-PAGE analysis of reduced ab173996 stained overnight with Coomassie Blue. The protein migrates as 35-58 kDa due to glycosylation.

SDS-PAGE - Recombinant Human CD44 protein  
(His tag) (ab173996)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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