

# Active Recombinant Rat Cd44 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** Cd44-1017RAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant Rat Cd44 (Accession # O70509), fused with , was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Rat
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	22-271 aa
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. When Recombinant Rat CD44 Fc Chimera is present at 1 µg/mL, the concentration of biotinylated hyaluronan that produces 50% of the optimal binding response is found to be approximately 10-50 ng/mL.
<b>Molecular Mass</b>	Recombinant Rat Cd44, Fc Chimera has a calculated MW of 54.2 kDa (monomer). In SDS-PAGE migrates as 80-100 kDa, reducing conditions.
<b>N-terminal Sequence Analysis</b>	Result not obtained, Gln 22 is predicted
<b>Purity</b>	> 95 % by SDS-PAGE under reducing conditions and visualized by silver stain.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Characteristic</b>	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 647 via amines</p> <p>Excitation = 650 nm</p> <p>Emission = 668 nm</p>
<b>Storage</b>	<p>Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).</p>
<b>Concentration</b>	500 µg/mL
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Reconstitution</b>	Reconstitute at 500 µg/mL in PBS.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Cd44 Cd44 molecule [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	<a href="#">Cd44</a>
<b>Synonyms</b>	<p>CD44; Cd44 molecule; CD44 antigen; PGP-1; PGP-I; HUTCH-I; ECMR-III; hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; phagocytic glycoprotein I; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; Cell surface glycoprotein CD44 (hyaluronate binding protein); CD44A; METAA; RHAMM; MGC124941;</p>
<b>Gene ID</b>	<a href="#">25406</a>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



mRNA Refseq [NM\\_012924](#)

Protein Refseq [NP\\_037056](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA