

# Active Recombinant Canine CA9 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** CA9-1544CAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant canine CA9 (Met1-Leu410) was expressed in human HEK 293 cells and fused with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Dog
<b>Source</b>	HEK293
<b>ProteinLength</b>	614
<b>Form</b>	Lyophilized Powder
<b>Bio-activity</b>	Measured by its esterase activity. The specific activity is > 10 pmoles/min/ µg.
<b>Molecular Mass</b>	The recombinant canine CA9/Fc is a disulfide-linked homodimer. The reduced monomer comprises 614 amino acids and has a predicted molecular mass of 67.6 kDa. The apparent molecular mass of the protein is approximately 79 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU/ µg protein as determined by the LAL method.
<b>Purity</b>	> 99 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer

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Labeled with Alexa Fluor 555 via amines

With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

**Storage**

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer**

25 mM Tris, 0.15 M NaCl, pH 7.5

**Conjugation**

Alexa Fluor 555

**GENE INFORMATION**

**Gene Name**

CA9 carbonic anhydrase 9 [ *Canis lupus familiaris* (dog) ]

**Official Symbol**

CA9

**Synonyms**

CA9; carbonic anhydrase 9

**Gene ID**

611933

**mRNA Refseq**

NM\_001145174

**Protein Refseq**

NP\_001138646

**UniProt ID**

E2RAI4

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