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

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

SPECIFICATION

Product Overview	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.
Species	Dog
Source	HEK293
ProteinLength	614
Form	Lyophilized Powder
Bio-activity	Measured by its esterase activity. The specific activity is > 10 pmoles/min/ μg.
Molecular Mass	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.
Endotoxin	< 1.0 EU/ μg protein as determined by the LAL method.
Purity	> 99 % as determined by SDS-PAGE
Characteristic	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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