

Active Recombinant Canine CA9 Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. CA9-1544CAF647 Lot. No. (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 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 647 via amines
Excitation = 650 nm
Emission = 668 nm

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 647

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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