# Canine S100 Calcium Binding Protein A12 ELISA Kit | S100A12 elisa kit

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| CATALOG # | REACTIVITY |
|---|---|
| **AAA88317** | **Canine** |

## PRODUCT SYNONYMS

S100 Calcium Binding Protein A12; Canine S100 Calcium Binding Protein A12 ELISA Kit; S100A12 elisa kit

## PRODUCT SPECIFICATIONS

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| **Reactivity** | Canine |
| **Samples** | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| **Assay Type** | Sandwich |
| **Detection Range** | 50-1000pg/mL |
| **Sensitivity** | 1.0ng/mL |
| **Intended Uses** | This S100A12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine S100A12. This ELISA kit for research use only, not for therapeutic applications! |
| **Preparation and Storage** | Store all reagents at 2-8 degree C. |

## IMAGES



**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for S100A12 elisa kit** | **Principle of the Assay:** S100A12 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-S100A12 antibody and an S100A12-HRP conjugate. The assay sample and buffer are incubated together with S100A12-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the S100A12 concentration since S100A12 from samples and S100A12-HRP conjugate compete for the anti-S100A12 antibody binding site. Since the number of sites is limited, as more sites are occupied by S100A12 from the sample, fewer sites are left to bind S100A12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A12 concentration in each sample is interpolated from this standard curve. |
| **Product Categories/Family for S100A12 elisa kit** | Signal Transduction |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 119573717 |
| **NCBI GeneID** | 6283 |

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|---|---|
| **Molecular Weight** | 10,575 Da |
| **NCBI Official Full Name** | S100 calcium binding protein A12 (calgranulin C) |
| **NCBI Official Synonym Full Names** | S100 calcium binding protein A12 |
| **NCBI Official Symbol** | S100A12 |
| **NCBI Official Synonym Symbols** | p6; CAGC; CGRP; MRP6; CAAF1; MRP-6; ENRAGE |
| **NCBI Protein Information** | protein S100-A12; EN-RAGE; calgranulin C; calgranulin-C; neutrophil S100 protein; calcium-binding protein in amniotic fluid 1; migration inhibitory factor-related protein 6; S100 calcium-binding protein A12 (calgranulin C); extracellular newly identified RAGE-binding protein |
| **UniProt Protein Name** | Protein S100-A12 |
| **UniProt Gene Name** | **S100A12** |
| **UniProt Synonym Gene Names** | CAAF1; CAGC; EN-RAGE; MRP-6; p6 |
| **UniProt Entry Name** | S10AC_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/s100a12-canine-elisa-kits/s100-calcium-binding-protein-a12/88317