



Product Specification Sheet

**Creatinine Antibodies**

<b>CRN12-S</b>	Rabbit anti-Creatinine IgG	<b>SIZE:</b> 100 ul
<b>CRN12-A</b>	Rabbit anti-Creatinine IgG, aff pure	<b>SIZE:</b> 100 ug

Creatinine is present in all body secretions and is a by-product of muscle metabolism, formed by the spontaneous and irreversible conversion of creatine and creatine phosphate. The formation of creatinine is proportional to total muscle mass and body weight. The production rate shows minimal daily variations, unless the muscle mass changes, with 2% of whole body creatinine being transformed every 24 hours. Since creatinine is excreted at a relatively constant rate by the kidneys, measurement of urinary creatinine can indicate if the urinary concentration has been adjusted by in vivo or in vitro dilution. The level of creatinine in the blood increases as kidney disease progresses.

**Source of Antigen and Antibodies**

<b>Antigen</b>	Keyhole limpet hemocyanin was conjugated to Creatinine Hcl via glutaraldehyde method
<b>Ab Host/type</b>	Rabbit, Polyclonal antiserum IgG
<b>2-Ab</b>	Cat # SA-20320, goat anti-rabbit IgG-HRP (AP, biotin, FITC conjugates also available).
<b>-ve</b>	Cat # SA-20009-1, Rabbit (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

**Recommended Usage**

Antibody dilution will depend upon the experimental conditions and may vary from 1:250-1:1000. Antibody titer by ELISA testing is 1:1K using Creatinine Hcl coupled to a carrier protein.

**Specificity & Cross-reactivity**

Antibody reactivity in various species is not established.

**General References:**

Allen PJ (2012). Neurosci Biobehav Rev 36 (5): 1442–62.  
 Shemesh O., (1985). Kidney Int. 28 (5): 830–8. PMID 2418254.  
 Gross JL, (2005). Diabetes Care 28 (1): 164–76. Harita N, (2009). Diabetes Care 32 (3): 424–6.

\*This product is for In vitro research use only.

CRN12-A 130906VVP

**Form & Storage of Antibodies/Peptide Control**

**Antiserum (unpurified)**

100 ul  
 solution lyophilized powder

Antiserum supplied in 0.05% sodium azide  
**Reconstitute powder** in 100 ul PBS

**Aff Pure (purified)**

100 ug/vial  
 solution, PBS pH 7.5, 0.1% BSA, 0.05% azide  
 lyophilized powder  
 Reconstitute powder in 100 ul water to prepare 1mg/ml stock.

**Storage**

**Short-term:** unopened, undiluted vials for less than a week at 4oC.

**Long-term:** at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

**Stability:** 6-12 months at -20oC or below.

**Shipping:** 4oC for solutions and room temp for powder.