

**AP33370BT-S****Polyclonal Antibody to MRP8/14 (S100A8/A9) - Purified**

<b>Alternate names:</b>	CAGA, CAGB, CFAG, CFAG, Calgranulin A/B, Calprotectin, L1 Protein, MRP-14, MRP-8, P14, P8
<b>Quantity:</b>	10 µg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	MRP8 and MRP14 are members of the S100 family of proteins containing 2 EF hand calcium binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21.
<b>Host / Isotype:</b>	Chicken / IgY
<b>Immunogen:</b>	Recombinant Human MRP8 and MRP14 heterocomplex. <b>Genename:</b> S100A8 and S100A9
<b>Format:</b>	<b>State:</b> Lyophilized purified Ig fraction from egg yolk <b>Buffer System:</b> PBS, pH 7.2 <b>Preservatives:</b> 0.09% Sodium Azide <b>Reconstitution:</b> Restore in aqua bidest to 1 mg/ml
<b>Applications:</b>	<b>ELISA.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 4 µg/ml. <b>Immunohistochemistry on Cryosections:</b> 0.5 µg/ml (Ref.1).  Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes MRP8, MRP14, and MRP8/14 hetero complex.
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Mouse, Rat, Bovine and Pig.
<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b> Shelf life: one year from despatch.
<b>Product Citations:</b>	<b>Originator or purchased from resellers:</b> 1. Ebbing J, Mathia S, Seibert FS, Pagonas N, Bauer F, Erber B, Gunzel K, Kilic E, Kempkensteffen C, Miller K, Bachmann A, Rosenberger C, Zidek W, Westhoff TH (2014). Urinary calprotectin: a new diagnostic marker in urothelial carcinoma of the bladder. World J Urol 2013 Dec 31. [Epub ahead of print]

## Pictures:

Immunohistochemistry image of Calprotectin staining in paraffin sections of Human urothelial carcinoma. The sections were incubated with Biotinylated AP33370BT and stained using streptavidin and peroxidase system. Slides were counterstained with hematoxylin. (C) Tumor cells (arrow heads) display cytoplasmic staining. (D) Negative control without the primary antibody. *Original magnification: x400.* Ebbing J et al. (2014). World J Urol (DOI 10.1007/s00345-013-1227-8).

