

bs-15429R**[Primary Antibody]****HCP5 Rabbit pAb**

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 10866**SWISS:** Q6MZN7**Target:** HCP5**Immunogen:** KLH conjugated synthetic peptide derived from human HCP5: 1-80/132.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: HCP5 is a region present on chromosome 6p21.3 that is characterized by multiple duplicated gene families. HCP5 (HLA class I histocompatibility antigen protein P5), also known as P5-1, is a 132 amino acid protein that is encoded by a gene mapping to human chromosome 6p21.33. Localizing within the MHC class I region, HCP5 is not structurally related to other MHC class I genes, but does have high sequence similarity with HERV-L and HERV-16. HCP5 also has high sequence homology to retroviral Pol genes, making it a possible candidate for interaction with HIV-1 through an antisense mechanism that prevents retrovirus transcription. Single-nucleotide polymorphisms (SNPs) to the region of the HCP5 gene that corresponds with HLA-B has been linked to a lower HIV-1 viral set point. HCP5 is highly expressed in lymphoid tissues, spleen and activated lymphocytes, as well as B-cell and natural killer (NK) cell lines.

Applications: **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**ICC/IF** (1:100-500)**ELISA** (1:5000-10000)**Reactivity:** (predicted: Human)**Predicted MW.:** 14 kDa