



Rabbit Anti-Human IL-32 monoclonal antibody, clone S514 (CABT-ZB1018)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Specificity | It reacts with Human IL-32 |
| Target | IL32 |
| Immunogen | Recombinant Human IL32 Protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Clone | S514 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB689 - CABT-ZB1018 This antibody will detect IL-32 in antibody pair set. [ABPR-ZB268] |
| Preparation | This antibody was obtained from a rabbit immunized with purified, recombinant Human IL32. |
| Format | Purified, Liquid |
| Concentration | Lot specific |
| Size | 50 µL, 100 µL, 1 mL |

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| Buffer | PBS |
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | IL-32 is a recently discovered cytokine that induces various proinflammatory cytokines (TNF-alpha, IL-1beta, IL-6) and chemokines in both human and mouse cells through the NF-kappaB and p38 MAPK inflammatory signal pathways. It is regulated robustly by other major proinflammatory cytokines and is crucial to inflammation and immune responses. Four of the IL-32 isoforms (alpha, beta, gamma, and delta) are the most representative IL-32 transcripts, and the gamma isoform of IL-32 is the most active, although all isoforms are biologically active. IL-32, a cytokine produced mainly by T, natural killer, and epithelial cells induces significant amounts of TNFalpha and MIP-2 and increases the production of both cytokines in a dose-dependent manner. IL-32 has been implicated in inflammatory disorders, Mycobacterium tuberculosis infections, inflammatory bowel disease, and influenza A virus infection, as well as in some autoimmune diseases, such as rheumatoid arthritis, ulcerative colitis, and in the human stomach cancer, human lung cancer, and breast cancer tissues. Thus, IL-32 expression might be valuable as a biomarker for cancer. |
| Keywords | IL33; interleukin 33; DVS27; IL1F11 |

GENE INFORMATION

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| Synonyms | IL33; interleukin 33; DVS27; IL1F11; NF-HEV; NFEHEV; C9orf26; interleukin-33; IL-33; IL-1F11; DVS27-related protein; interleukin-1 family member 11; nuclear factor for high endothelial venules; nuclear factor from high endothelial venules; AMG 282 |
| Entrez Gene ID | 90865 |
| UniProt ID | O95760 |