

## Anti-IL-32 Antibody-HRP (2G20)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	HRP
Clone:	2G20
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 0.1-1 µg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. Keep away from direct sunlight.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human IL32 Protein (TMPY-01033)
Antigen Species:	Human
Synonyms:	TAIFb;IL-32alpha;TAIF;NK4;TAIFd;IL-32gamma;IL32;IL-32δ;IL-32delta;IL-32 Protein(isoform α);IL-32β;IL-32beta;TAIFc;interleukin 32;IL-32γ;IL-32α;TAIFa

## Research Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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