

Anti-IFI30 Antibody (8K242)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 8K242 |
| Purification: | Protein A |

Applications

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| Application: | ELISA |
| Recommended | ELISA: 1:5000-1:10000 |

Properties

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| 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. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | Recombinant Protein: Human IFI30 protein (TMPY-02887) |
| Antigen Species: | Human |
| Synonyms: | interferon gamma inducible protein 30;IFI-30;IP30;interferon γ inducible protein 30;IFI30;IP-30;GILT |

Research Background

IFI30 belongs to the GILT family. This family includes the two characterized human gamma-interferon-inducible lysosomal thiol reductase (GILT) sequences: P13284 and Q9UL08. It also contains several other eukaryotic putative proteins with similarity to GILT. The aligned region contains three conserved cysteine residues. Besides, the two GILT sequences possess a C-X(2)-C motif that is shared by some of the other sequences in the family. This motif is thought to be associated with disulfide bond reduction. IFI30 is a lysosomal thiol reductase that can reduce protein disulfide bonds. It facilitates the generation of MHC class II-restricted epitopes from disulfide bond-containing antigens by the endocytic reduction of disulfide bonds. It also facilitates MHC class I-restricted recognition of exogenous antigens containing disulfide bonds by CD8+ T-cells or cross-presentation. IFI30 may facilitate the complete unfolding of proteins destined for lysosomal degradation and plays an important role in antigen processing.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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