

VISTA/B7-H5 Protein, Human (Biotinylated, HEK293, His-Avi)

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| Cat. No.: | HY-P78936 |
| Synonyms: | Platelet receptor Gi24; Stress-induced secreted protein-1; Sisp-1; C10orf54; SISP1 |
| Species: | Human |
| Source: | HEK293 |
| Accession: | Q9H7M9 (F33-A194) |
| Gene ID: | 64115 |
| Molecular Weight: | 36-47 kDa |

PROPERTIES

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| Biological Activity | Measured by its binding ability in a functional ELISA. Immobilized Anti-B7-H5 antibody at 5 µg/mL can bind Biotinylated Human B7-H5. The EC ₅₀ is 6.489-13.47 ng/mL. |
| Appearance | Lyophilized powder |
| Formulation | Lyophilized a 0.22 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | VISTA/B7-H5 protein, functioning as an immunoregulatory receptor, plays a pivotal role in inhibiting the T-cell response, as established in various studies. Additionally, it may contribute to the differentiation of embryonic stem cells by inhibiting BMP4 signaling, showcasing its potential role in developmental processes. Moreover, VISTA/B7-H5 has been implicated in stimulating MMP14-mediated MMP2 activation, suggesting a regulatory function in matrix metalloproteinase-mediated processes. This multifaceted role underscores the significance of VISTA/B7-H5 in immune regulation, embryonic development, and extracellular matrix dynamics, revealing its potential impact across diverse biological contexts. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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