

NCAM-1/CD56 Protein, Cynomolgus (HEK293, His)

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| Cat. No.: | HY-P701026 |
| Synonyms: | N-CAM-1; NCAM-1; NCAM1; CD56; NCAM; MSK39 |
| Species: | Cynomolgus |
| Source: | HEK293 |
| Accession: | XP_005579710.1 (L20-G718) |
| Gene ID: | 102144192 |
| Molecular Weight: | 95-115 kDa |

PROPERTIES

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| Appearance | Solution |
| Formulation | Supplied as a 0.22 μ m filtered solution of 50mM Tris, 500mM NaCl, pH 8.0. |
| Endotoxin Level | <1 EU/ μ g, determined by LAL method. |
| Reconstitution | N/A. |
| Storage & Stability | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. |
| Shipping | Shipping with dry ice |

DESCRIPTION

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| Background | The NCAM-1/CD56 protein takes on a pivotal role as a cell adhesion molecule, participating in neuron-neuron adhesion, neurite fasciculation, and the outgrowth of neurites. It engages in interactions with MDK and forms a complex with SLC39A6, SLC39A10, and itself. This complex intricately regulates NCAM-1 phosphorylation and facilitates its integration into focal adhesion complexes during epithelial-to-mesenchymal transition, as observed in studies. The versatile involvement of NCAM-1 in cell adhesion and signaling processes highlights its significance in mediating complex cellular interactions critical for neuronal development and transitions between epithelial and mesenchymal states. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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