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Minor Histocompatibility Antigen HA-1

National Cancer Institute

Source

National Cancer Institute. *Minor Histocompatibility Antigen HA-1*. NCI Thesaurus. Code C157551.

A peptide antigen comprised of 9 amino acids (VLHDDLLEA) that is derived by antigen processing from a variant of Rho GTPase-activating protein 45 where the arginine at amino acid residue 139 is substituted with histidine. This peptide can be presented by MHC class I HLA-A*0201 expressing cells. The complex of this peptide with HLA-A elicits donor-cytotoxic T-lymphocyte (CTL) reactivity following treatment by HLA-identical allogeneic bone marrow transplant.