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Elabscience Biotechnology Inc.

Elabscience®

Recombinant Mouse CD155/PVR Protein (aa 1-345, His Tag)(Active)

Catalog No. PKSM040773

Description

Synonyms	Poliovirus receptor; CD155 antigen; Nectin-like protein 5; Nectin-2; Tage4 receptor; Pvr; PVR; Necl5; CD155;3830421F03Rik;D7Ertd458e;HVED;mE4;necl-5;PVS;Taa1;Tage4
Species	Mouse
Expression_host	HEK293 Cells
Sequence	Met1-Arg345
Accession	NP_081790.1
Mol_Mass	28 kDa
AP_Mol_Mass	60-65 kDa
Tag	C-His
Bio_activity	Measured by its ability to bind recombinant mouse CD226/DNAM-1.Immobilized recombinant mouse CD155/PVR at 1 μg/ml (100 μl/well) can bind recombinant mouse CD226/DNAM-1 with a linear range of 0.78-100 ng/ml.

Properties

Purity	> 97 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
Reconstitution	Please refer to the printed manual for detailed information.

Background

CD155, commonly known as PVR (poliovirus receptor) and Necl-5 (nectin-like molecule-5), is a type I transmembrane single-span glycoprotein, and belongs to the nectins and nectin-like (Necl) subfamily. CD155 was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV), an etiologic agent of the central nervous system disease poliomyelitis. The normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. It has been demonstrated that CD155 can be recognized and bond by DNAM-1 and CD96 which promote the adhension, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity.

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