

Recombinant Mouse CD160/BY55 Protein (His Tag)

Catalog Number:PKSM041353



Note: Centrifuge before opening to ensure complete recovery of vial contents.

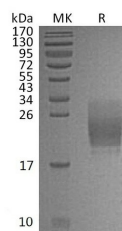
Description

| | |
|------------------------------------|--|
| Synonyms | CD160 Antigen;Natural Killer Cell Receptor BY55;CD160;BY55 |
| Species | Mouse |
| Expression Host | HEK293 Cells |
| Sequence | Gly28-Ser160 |
| Accession | Q8VC80 |
| Calculated Molecular Weight | 15.8 kDa |
| Observed molecular weight | 20-25 kDa |
| Tag | C-His |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD160 antigen is a cell membrane protein which contains one Ig-likeV-type (immunoglobulin-like) domain. CD160 is a GPI-anchored lymphocyte surface receptor in which expression is mostly restricted to the highly cytotoxic CD56(dim) CD16(+) peripheral blood NK subset. CD160 is a receptor showing broad specificity for both classical and non-classical MHC class I molecules. CD160 is expressed in spleen, peripheral blood, and small intestine. Expression of CD160 is restricted to functional NK and T cytotoxic lymphocytes. CD160 acts as a co-activator receptor for CD3-induced proliferation of CD4+ CD160+ T cells isolated from inflammatory skin lesions. Activated NK lymphocytes release a soluble form of CD160 that functionally impairs the MHC-I-specific cytotoxic CD8(+) T lymphocyte responsiveness.

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