

Recombinant Mouse IFN-gamma R1/CD119

Catalog#:P00331 Derived from Human Cells

DESCRIPTION	<p>Recombinant Mouse Interferon Gamma Receptor 1 is produced by our Mammalian expression system and the target gene encoding Ala26-Asp253 is expressed with a 6His tag at the C-terminus.</p> <p>Accession#:P15261</p> <p>Known as: CD119; Interferon gamma receptor 1; IFNGR1; IFN-gamma receptor 1; IFN-gamma R1; CD119 antigen; IFN gamma receptor 1; IFNGR; immune interferon receptor 1; interferon gamma receptor 1; interferon-gamma receptor alpha chain.</p>
FORMULATION	Lyophilized from a 0.2µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt.</p> <p>Reconstituted protein solution can be stored at 2-8°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:26.9kDa AP Mol Mass:38-55kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1ng/µg (1 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>The tetrameric receptor complex for IFNγ consists of two subunits, IFNGR1 (IFNγ Rα) and IFNGR2 (IFNγ Rβ), through which the dimeric IFN-γ exerts its biological functions, including antiviral, antiproliferation and immune-modulatory activity in mammals. Both IFNGR1 and IFNGR2 are single transmembrane proteins belonging to the class II cytokine family. FNCR1, widely expressed in most host cells, is essential for IFNγ binding, receptor trafficking, and signal transduction. IFNGR1 possesses an intracellular Janus tyrosine kinase (JAK) 1 binding site, a signal transducer and activator of transcription 1 (STAT1) binding site. The resulting STAT1 homodimers translocate from the cytoplasm to the nucleus and bind to the interferon-gamma activated sequence (GAS) promoter to induce expression of downstream interferon stimulated genes (ISGs).</p>
	<p style="text-align: center;">kDa MK R</p> <p style="text-align: center;">120</p> <p style="text-align: center;">90</p> <p style="text-align: center;">60</p> <p style="text-align: center;">40</p> <p style="text-align: center;">30</p> <p style="text-align: center;">20</p> <p style="text-align: center;">14</p> <p style="text-align: center;">SDS-PAGE</p> 