

Ifng

Mouse Anti-Rat IFN-gamma (Clone DB-14) mAb

Catalog No.	CMI239	Quantity:	0.5 mg
Alternate Names:	Interferon gamma		
Description:	The mouse anti-rat IFN- γ monoclonal antibody (clone DB-14) effectively neutralizes native and recombinant rat IFN- γ <i>in vitro</i> . The DB-14 antibody does not cross-react with mouse and human IFN- γ and does not bind to rodent IFN- α and - β .		
UniProt ID:	P01581		
Gene ID:	25712		
Source:	Produced <i>in vitro</i> using serum free medium.		
Specificity:	Neutralizes both native and recombinant rat IFN- γ <i>in vitro</i> . The antibody does not bind to rodent IFN- α and - β or to human IFN- γ .		
Isotype:	Mouse IgG _{2a}		
Clone:	DB-14		
Quantitation:	$E_{280\text{ nm}}^{0.1\%} = 1.4$ for a 1 mg/ml solution.		
Formulation:	Lyophilized from sterile-filtered PBS containing 125 mM Trehalose		
Purification:	Ion exchange chromatography.		
Biological Activity:	<p>> 4000 neutralizing units of rat IFN-γ mg IgG_{2a}.</p> <p>One neutralizing unit is defined as the total amount of antibodies sufficient for neutralizing one laboratory unit of recombinant rat IFN-γ (6×10^6 units approximates 1 mg pure rat IFN-γ).</p>		
Reconstitution:	<p>Centrifuge vial briefly before opening. Reconstitute with 0.5 ml sterile distilled water, containing 0.02% sodium azide to prevent bacterial growth (recommended).</p> <p>Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.</p>		
Applications:	<p>Functional Studies: <i>In vitro</i> neutralization</p> <p>ELISA</p> <p>Immunohistochemistry</p> <p>Western blot</p>		
Storage & Stability:	<p>Lyophilized product is stable for at least one year at 2-8°C. After reconstitution, the contents can be safely stored at 2-8°C for one month or for one year in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.</p>		

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