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Ifng
Mouse Anti-Rat IFN-gamma (Clone DB-1) mAb

Catalog No.	CMI233	**Quantity:**	0.5 mg

Alternate Names: Interferon gamma

Description: Mouse Anti-Rat IFN-γ Clone DB-1 neutralizes both native and recombinant rat IFN-γ and mouse IFN-γ *in vitro* and *in vivo.* Does not recognize rat IFN-α or rat IFN-β.
Pairs with CMI234 for ELISA.

UniProt ID: P01581

Gene ID: 25712

Source: Produced *in vitro* using serum free medium.

Specificity: Neutralizes both native and recombinant rat IFN-gamma and mouse IFN-gamma *in vitro* and *in vivo*.

Isotype: Mouse IgG1

Clone: DB-1

Quantitation: $E^{0.1\%}_{280\ nm}$ = 1.4 for a 1 mg/ml solution.

Formulation: Lyophilized from sterile-filtered PBS containing 125 mM Trehalose

Purification: Ion exchange chromatography

Biological Activity: 6000 neutralizing units of rat IFN-γ/mg protein
Neutralizing unit = amount of antibody sufficient to neutralize 1 laboratory unit of recombinant rat IFN-γ (6×10^6 units/mg pure rat IFN-γ).

Reconstitution: **Centrifuge vial briefly before opening.** Reconstitute with 0.5 ml sterile distilled water, containing 0.02% sodium azide to prevent bacterial growth (recommended).
Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Cross-Reactivity: Does not bind to rodent IFN-α and -ß or to human Interferons.

Applications: **ELISA: as capture mAb, with CMI234, biotin-labeled mAb (clone DB-12) as detection antibody.**
ELISPOT
In vitro and *in vivo* neutralization
Intracellular staining
Western blot

Storage & Stability: 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.**

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