

## IFNB1

### Armenian Hamster Anti-Mouse IFN-beta Clone MIB-5E9.1 mAb

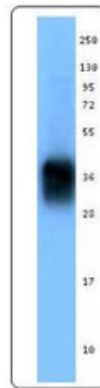
<b>Catalog No.</b>	CSI13289 CSI13290	<b>Quantity:</b>	50 µg 0.5 mg
<b>Alternate Names:</b>	Interferon-β, Fibroblast interferon (Fi-IFN, F-IFN), Type-1 interferon, acid-stable interferon, R1-GI factor, IFN-b, IFN-beta,		
<b>Description:</b>	The MIB-5E9.1 antibody reacts with mouse interferon-beta (IFN-β). The MIB-5E9.1 antibody can neutralize the bioactivity of natural or recombinant IFN-β.		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	15977		
<b>Structure:</b>	Interferon; 26-35 kD (Mammalian)		
<b>Regulation:</b>	Upregulated by viruses, double-stranded RNA, micro-organisms, TNF, IL-1		
<b>Host:</b>	Armenian Hamster		
<b>Immunogen:</b>	Modified peptide (RHKKLMFKTEGPDS*D) corresponding to amino acids 378-393 of human p53		
<b>Isotype:</b>	IgG		
<b>Clone:</b>	MIB-5E9.1		
<b>Bioactivity:</b>	Non-specific humoral immune responses and immune responses against viral infections, increases expression of MHC class I antigens, blocks expression of MHC class II antigens stimulated by IFN-γ		
<b>Formulation:</b>	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	The antibody was purified by affinity chromatography.		
<b>Receptors:</b>	IFNα/βR (IFNAR-1, IFNAR-2)		
<b>Reactivity:</b>	Mouse		
<b>Applications:</b>	IP, WB		
<b>Recommended Usage:</b>	Each lot of this antibody is quality control tested by Western blotting. The suggested optimal usage is 1 µg per ml. It is recommended that the reagent be titrated for optimal performance for each application.		
<b>Storage &amp; Stability:</b>	The antibody solution should be stored undiluted at 4°C.		



**Cellular Sources:** Fibroblasts, epithelial cells

**Cellular Targets:** Broad, includes NK cells, T suppressor cells, activated monocytes

Cell extracts of 293E cells transfected with mouse IFN- $\beta$ -1 were resolved by electrophoresis, transferred to nitrocellulose, and probed with anti-mouse IFN- $\beta$ -1 antibody (clone MIB-5E9.1). Proteins were visualized using a goat anti-Armenian Hamster IgG secondary conjugated to HRP and chemiluminescence detection.



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