

Datasheet for ABIN6963775

anti-Interferon gamma antibody (Biotin)[Go to Product page](#)**4** Publications

Overview

Quantity:	1 mg
Target:	Interferon gamma (IFNG)
Reactivity:	Cow, Sheep, Goat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Interferon gamma antibody is conjugated to Biotin
Application:	ELISA, Flow Cytometry (FACS), ELISpot

Product Details

Immunogen:	Recombinant bovine IFN-gamma
Clone:	MT307
Isotype:	IgG2a
Specificity:	Native and recombinant IFN- γ
Cross-Reactivity (Details):	The monoclonal antibody cross-reacts with IFN- γ from sheep and goat.
Characteristics:	This monoclonal antibody enables specific detection of bovine IFN- γ in immunoassays such as ELISpot, FluoroSpot, ELISA, and flow cytometry. Serum/Plasma samples
Purification:	Biotinylated through reaction with a N-hydroxysuccinimide ester of biotin.,Purified from in vitro cultures by protein G affinity chromatography.
Sterility:	0.2 μ m filtered

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	IFNG (IFNG Products)
Gene ID:	281237, 443396
Pathways:	Interferon-gamma Pathway , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , ER-Nucleus Signaling , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus , Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	ABIN6963775, ABIN7448244, ABIN6963776 and ABIN6963777 is recommended as detection mAb in ELISpot, FluoroSpot, and ELISA in combination with capture mAb .1 . ABIN6963775, ABIN7448244, ABIN6963776 and ABIN6963777 is also recommended for use in flow cytometry.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	supplied at 0.5 mg/mL in PBS with 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/ thawing.
Expiry Date:	18 months

Publications

Product cited in:	Sajiki, Konnai, Okagawa, Nishimori, Maekawa, Goto, Ikebuchi, Nagata, Kawaji, Kagawa, Yamada, Kato, Nakajima, Suzuki, Murata, Mori, Ohashi: "Prostaglandin E2 Induction Suppresses the Th1
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Immune Responses in Cattle with Johne's Disease." in: **Infection and immunity**, Vol. 86, Issue 5, (2018) ([PubMed](#)).

Orbegozo-Medina, Martínez-Sernández, González-Warleta, Castro-Hermida, Mezo, Ubeira: "Vaccination of sheep with Quil-A® adjuvant expands the antibody repertoire to the Fasciola MF6p/FhHDM-1 antigen and administered together impair the growth and antigen release of flukes." in: **Vaccine**, Vol. 36, Issue 15, pp. 1949-1957, (2018) ([PubMed](#)).

Rojas, Moreno, Valcárcel, Peña, Sevilla, Martín et al.: "Vaccination with recombinant adenoviruses expressing the peste des petits ruminants virus F or H proteins overcomes viral immunosuppression and induces protective immunity against PPRV challenge in ..." in: **PLoS ONE**, Vol. 9, Issue 7, pp. e101226, (2015) ([PubMed](#)).

Vordermeier, Dean, Rosenkrands, Agger, Andersen, Kaveh, Hewinson, Hogarth: "Adjuvants induce distinct immunological phenotypes in a bovine tuberculosis vaccine model." in: **Clinical and vaccine immunology : CVI**, Vol. 16, Issue 10, pp. 1443-8, (2009) ([PubMed](#)).