Datasheet for ABIN6963774

anti-Interferon gamma antibody

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Overview

Quantity:	1 mg
Target:	Interferon gamma (IFNG)
Reactivity:	Cow, Sheep
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Interferon gamma antibody is un-conjugated
Application:	ELISA, ELISpot

Product Details

Immunogen:	Recombinant bovine IFN-gamma
Clone:	MT17-1
Isotype:	IgG1
Specificity:	Native and recombinant IFN-γ
Cross-Reactivity (Details):	The monoclonal antibody cross-reacts with IFN-γ from sheep.
Characteristics:	This monoclonal antibody enables specific detection of bovine IFN-γ in immunoassays such as ELISpot, FluoroSpot, and ELISA. Serum/Plasma samples
Purification:	Purified from in vitro cultures by protein G affinity chromatography.
Sterility:	0.2 µm 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:	Is recommended as capture mAb in ELISpot, FluoroSpot, and ELISA in combination with detection mAb ABIN6963775, ABIN7448244, ABIN6963776 and ABIN6963777 .
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:	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).

Goosen, van Helden, Warren, Miller, Parsons: "The stability of plasma IP-10 enhances its utility for the diagnosis of Mycobacterium bovis infection in African buffaloes (Syncerus caffer)." in: **Veterinary immunology and immunopathology**, Vol. 173, pp. 17-20, (2016) (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).

Katz, Fargnoli, Williams, Steuerwald, Isidro, Ivanina, Sokolova, Bridges et al.: "Safety and efficacy of high-dose adeno-associated virus 9 encoding sarcoplasmic reticulum Ca(2+) adenosine triphosphatase delivered by molecular cardiac surgery with recirculating delivery in ovine ..." in: **The Journal of thoracic and cardiovascular surgery**, Vol. 148, Issue 3, pp. 1065-72, 1073e1-2; discussion1072-3, (2014) (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).