Datasheet for ABIN6963789

anti-Interferon gamma antibody (Biotin)

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Overview

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

Product Details

Immunogen:	Recombinant porcine IFN-gamma
Clone:	P2C11
Isotype:	IgG2a
Specificity:	Native and recombinant porcine IFN-γ
Characteristics:	This monoclonal antibody enables sensitive and specific detection of porcine IFN-γ 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 µm filtered

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	IFNG (IFNG Products)
Gene ID:	396991
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:	ABIN6963789, ABIN7448252, ABIN6963790 and ABIN6963791 is recommended as detection mAb in ELISpot, FluoroSpot, and ELISA in combination with capture mAb pIFNγ-I . ABIN6963789, ABIN7448252, ABIN6963790 and ABIN6963791 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:	Stadler, Naderer, Beffort, Ritzmann, Emrich, Hermanns, Fiebig, Saalmüller, Gerner, Glatthaar-Saalmüller, Ladinig: "Safety and immune responses after intradermal application of Porcilis

PRRS in either the neck or the perianal region." in: **PLoS ONE**, Vol. 13, Issue 9, pp. e0203560, (2019) (PubMed).

Suárez, Sordo, Prieto, Rodríguez, Méndez, Rodríguez, Rodríguez-Mallon, Lorenzo, Santana, González, Naranjo, Frías, Carpio, Estrada: "A single dose of the novel chimeric subunit vaccine E2-CD154 confers early full protection against classical swine fever virus." in: **Vaccine**, Vol. 35, Issue 34, pp. 4437-4443, (2018) (PubMed).

Jeong, Kang, Kim, Park, Park, Oh, Yang, Chae: "A modified-live porcine reproductive and respiratory syndrome virus (PRRSV)-1 vaccine protects late-term pregnancy gilts against heterologous PRRSV-1 but not PRRSV-2 challenge." in: **Transboundary and emerging diseases**, Vol. 65, Issue 5, pp. 1227-1234, (2018) (PubMed).

Lopera-Madrid, Osorio, He, Xiang, Adams, Laughlin, Mwangi, Subramanya, Neilan, Brake, Burrage, Brown, Clavijo, Bounpheng: "Safety and immunogenicity of mammalian cell derived and Modified Vaccinia Ankara vectored African swine fever subunit antigens in swine." in: **Veterinary immunology and immunopathology**, Vol. 185, pp. 20-33, (2017) (PubMed).

Sedlak, Patzl, Saalmüller, Gerner: "IL-12 and IL-18 induce interferon-γ production and de novo CD2 expression in porcine γδ T cells." in: **Developmental and comparative immunology**, Vol. 47 , Issue 1, pp. 115-22, (2015) (PubMed).