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DATA SHEET

Mouse Anti-Parvovirus B19 [R92F6]: MC0554, MC0554RTU7

Intended Use: For Research Use Only

Description: Parvovirus B19 is a small DNA virus which causes erythema infectiosum (fifth disease) or "slapped cheek syndrome" in children. PARVO replicates in bone marrow cells and inhibits red blood cell (RBC) production (erythropoiesis) causing hemolytic complications. It has been implicated in hydrops fetalis which causes spontaneous abortion in humans and causes chronic anemia in individuals with human immunodeficiency virus (HIV) and can infect sickle cell patients with erythrocyte (red blood cell) abnormalities. Clone R92F6 targets the capsid proteins VP1 (84 kD) and VP2 (58 kD) of human Parvovirus.

Specifications

Clone:	R92F6
Source:	Mouse
Isotype:	IgG1
Reactivity:	Human infected by Parvovirus B19
Immunogen:	Native parvovirus B19 purified from human plasma (aa 328-344 of VP2 capsid protein)
Localization:	Cytoplasm, nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, IF, WB

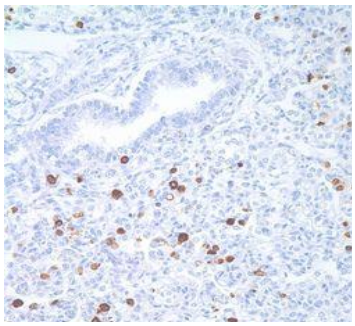
Package:

Description	Catalog No.	Size
Parvovirus B19 Concentrated	MC0554	1 ml
Parvovirus B19 Prediluted	MC0554RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Parvovirus B19 infected placenta or bone marrow
Concentrated Dilution:	50-200
Pretreatment:	Citra pH6.0 or EDTA pH8.0, 15 min Pressure Cooker or 30-60 min water bath at 95°C- 99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE infected human placenta tissue stained with anti-Parvovirus B19 using DAB

References:

1. Evidence of Human Parvovirus B19 Infection in the Post-Mortem Brain Tissue of the Elderly. Sandra Skuja, et al. Viruses. 10(11), 582, 2018.
2. Gene expression analysis of potential genes and pathways involved in the pathogenic mechanisms of parvovirus B19 in human colorectal cancer. Wei‑Ping Zhang, et al. Oncology Letters. May 16, 2014.
3. Principles and Practice of Surgical Pathology and Cytopathology, 3rd edition. Silverberg SG, et al. p. 219-220, 1997.

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