

Mouse Anti-Canine ERCC1 Monoclonal Antibody

Cat. No.: VD11N140

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for canine ERCC1. It can be applied to WB, ICC/IF and FACS assays of canine ERCC1.

Specifications

Application	WB; ICC/IF; FACS
Clonality	Monoclonal
Classification	Primary Antibody
Clone	S14N3
Host	Mouse
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine ERCC1
Isotype	IgG2
Immunogen	Recombinant protein of ERCC1
Concentration	0.96 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline, 1% BSA, 50% Glycerol
Physical State	Liquid

Target Information

Canine ERCC1, or excision repair cross-complementation group 1, is a vital enzyme involved in the nucleotide excision repair (NER) pathway, which is essential for repairing DNA damage caused by ultraviolet light and other mutagens. This protein plays a critical role in the incising of the damaged DNA strand, a key step in the removal of DNA lesions such as cyclobutane pyrimidine dimers and

nd (6-4) photoproducts. Deficiency in ERCC1 is associated with conditions like xeroderma pigmentosum, a syndrome characterized by extreme sensitivity to sunlight and a high incidence of skin cancer.

Target	Canine ERCC1
Target Synonym	ERCC excision repair 1, endonuclease non-catalytic subunit
Gene ID	612282
UniProt ID	A0A8C0S268

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.