

Product datasheet

anti-H-CAM mouse monoclonal, DF1485, supernatant

Short overview

Cat. No.	16080
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	DF1485
Immunogen	CD44 antigen (PGp-1) purified from lymphocyte membrane
Formulation	Contains 0.09% sodium azide
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Human

Applications

Immunohistochemistry (IHC) - frozen	1:5-1:10
Immunohistochemistry (IHC) - paraffin	1:5-1:10 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

CD44 (HCAM) is a transmembrane protein expressed by lymphocytes, erythrocytes and several normal epithelial cells and is a member of the CAM family. It is involved in lymphocyte homing, T-lymphocyte activation, interaction with hyaluronic acid and may act as an adhesion molecule. The human CD44 is composed of 19 exons, 9 variably expressed due to alternative splicing of mRNA; standard CD44 (CD44s) is composed of exons 1-5 and 15-19. The loss of CD44s expression predicts unfavorable outcome in bladder cancers, squamous cell carcinomas of the skin, prostatic adenocarcinoma and neuroblastomas. In immunoblotting the antibody reacts with a glycoprotein isolated from hematopoietic cells and epithelial cells with a respective molecular weight of 29-37 kD and 51 kD.

Positive control: Tonsil (cell membrane staining).

Product images



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