Product datasheet MON5159-1

Mouse anti E-Cadherin, clone BS38 (Monoclonal)

Clone no. BS38

MONOSAN

Product name	Mouse anti E-Cadherin, clone BS38 (Monoclonal)
Host	Mouse
Applications	IHC-P (1:100-1:400)
Species reactivity	human, dog, rat, mouse, pig, sheep, rabbit
Conjugate	-
Immunogen	Unknown or proprietery to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	BS38
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	TRIS with 0.03% sodium azide, pH7,2
Storage until expiry date	2-8°C

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Additional info

E-Cadherin is a 120 kDa transmembrane glycoprotein that is localized in the adherens junctions of epithelial cells. There, it interacts with the cytoskeleton through the associated cytoplasmic catenin proteins. In addition to being a calcium-dependent adhesion molecule, E-Cadherin is also a critical regulator of epithelial junction formation. Its association with catenins is necessary for cell-cell adhesion. These E-cadherin/catenin complexes associate with corical actin bundles at both the zonula adherens and the lateral adhesion plaques. Tyrosine phosphorylation can disrupt these complexes, leading to changes in cell adhesion properties. E-Cadherin expression is often down-regulated in highly invasive, poorly differentiated carcinomas. Increased expression of E-Cadherin in these cells reduces invasiveness. Thus, loss of expression or function of E-Cadherin appears to be an important step in tumorigenic progression.Tissue specificity: Non-neural epithelial tissues.

References

1. -
2. -
3. -
4. -
5. -

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