

Product datasheet for **BM5098**

Cingulin (CGN) Mouse Monoclonal Antibody [Clone ID: 139.3.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	139.3.4
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting. Immunohistochemistry on Frozen and Paraffin Sections (only after microwave treatment): Ready-to-use. On cultured cell fixation with paraformaldehyde is recommended for optimal staining.
Reactivity:	Bovine, Human, Mouse, Xenopus
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (aa. 4-24)
Specificity:	This monoclonal antibody reacts specifically with Cingulin (a 150 kD polypeptide) present in tight junctions (zonula occludens) of polar epithelia (e.g. colon, duodenum, kidney, liver, pancreas), of transitional epithelia (e.g. bladder epithelium), and of stratified epithelia (e.g. skin, foot sole, tongue, oesophagus, vagina). Negative with endothelia of vessels and capillaries (e.g. in heart and brain). In contrast to Symplekin, using Monoclonal antibody 139.4 Cingulin has been localized exclusively to the tight junction complex. Tested Reactivities on Cultured Cell Lines: Carcinoma cell lines (e.g. MCF-7, Caco-2, PLC, A-431), SV80 (fibroblasts), Glioma; MDBK, MDCK, BMGE.
Formulation:	State: Supernatant State: Liquid Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	cingulin



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[Q9P2M7](#)

Background: Cingulin, a polypeptide of 126.5 kD (calculated from aa sequence data); apparent Mr 150 kD (after SDS-PAGE); pI 6.5 (very similar to that of symplekin, another junctional protein).

Synonyms: CGN, KIAA1319