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Product datasheet for BM295

CLTC Mouse Monoclonal Antibody [Clone ID: CHC5.9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CHC5.9
Applications:	IHC, WB
Recommended Dilution:	**Immunohistochemistry on Frozen Tissue:** 1/10. (When reconstituted, dilute further with PBS, pH 7.4). *Incubation Time:* 1 h at RT. **Immunoblotting (Western):** 1/100-1/500 (ECL). Successful use in **Immunoprecipitation** was reported by some researchers. As this detection method has not been verified by Acris Antibodies, the application was deleted from the database. This does not necessarily exclude the use in such procedure.
Reactivity:	Amphibian, Bovine, Human, Porcine, Rat
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Coated vesicles (Clathrin) of Bovine brain.
Specificity:	Clone CHC5.9 represents an excellent marker for detection of receptor mediated endocytosis (for review cf. e.g. Refs. 2 and 3). **Polypeptide Reacting:** Mr 180 000 polypeptide (clathrin heavy chain) from coated vesicles of various tissues. **Structures and Tissues Specifically Detected:** Coated vesicles of different organs and tissues (eg brain, mammary gland, ovaries). **Reactivities on Cultured Cell Lines (tested so far):** HeLa, SV-40, RVF-SMC.
Formulation:	State: Purified State: Lyophilized purified IgM fraction.
Reconstitution Method:	Restore with 1 ml distilled water.
Purification:	Gel filtration
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.

Stability: Shelf life: one year from despatch.

Database Link: Entrez Gene 281080 Bovine
P49951

Background: Clathrin is a protein which assembles into a polyhedral network on the cell membrane as the membrane invaginates, forming a coated pit which is essential to endocytosis. Clathrin is composed of three polypeptides, a 180 kDa heavy chain and two 32-38 kDa light chains which combine to create a distinct three-legged triskelion. It is this morphology which allows Clathrin to form its unique polyhedral network.

Synonyms: CLTC, CLH17, CLTCL2, KIAA0034, Membrane Vesicle Marker