

## Product datasheet for **BM5509**

### BTN1A1 Mouse Monoclonal Antibody [Clone ID: 102.43]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	102.43
Applications:	IHC, WB
Recommended Dilution:	<b>Immunoblotting.</b> <b>Immunohistochemistry on Frozen Sections:</b> Ready-to-Use. <i>Positive Control:</i> Milk fat globule membrane (MFGM).
Reactivity:	Bovine, Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Butyrophilin purified from Bovine milk fat globule membrane.
Specificity:	This Monoclonal antibody reacts specifically with Butyrophilin, a 67 kDa polypeptide, present in the apical membrane of lactating mammary epithelium and in MFGM. No cross reaction with other MFGM proteins. The epitope has been localized on the N-terminal extracellular part of the protein, close to the transmembrane region. Reacts with transfected cell line BMGE with Butyrophilin cDNA.
Formulation:	State: Supernatant State: Hybridoma 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.
Database Link:	<a href="#">Entrez Gene 282157 Bovine P18892</a>
Background:	BTN1A1 (Butyrophilin) is a member of the immunoglobulin superfamily, BTN/MOG family. It is the major protein associated with fat droplets in the milk. It may act as a specific membrane-associated receptor for the association of cytoplasmic droplets with the apical plasma membrane.



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**Synonyms:** Butyrophilin subfamily 1 member A1, BTN