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**Product Data Sheet**


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Product Name: BCAM Human

Cat. No.: GP22843

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Basal cell adhesion molecule isoform 1; BCAM; AU; CD239; LU; MSK19; Auberger B antigen; B-CAM cell surface glycoprotein; F8/G253 antigen; Lutheran antigen; Lutheran blood group glycoprotein; CD\_antigen: CD239; LU; MSK19.

Amino Acid Sequence  
 EVRLSVPPLV EVMRGKSVIL DCTPTGTHDH YMLEWFLTDR SGARPLASA  
 EMQGSELQVT MHDTRGRSPP YQLDSQGRLV LAEAQVGDER DYVCVVRAGA  
 AGTAEATARL NVFAKPEATE VSPNKGTLV MEDSAQEIAT CNSRNGNPAP  
 KITWYRNGQR LEVPVEMNPE GYMTSRTVRE ASGLLSLTST LYLRLRKDDR  
 DASFHCAAHY SLPEGRHGRL DSPTFHLTLH YPTEHVQFWV GSPSTPAGWV  
 REGDTVQLLC RGDGSPSPEY TLFRLQDEQE EVLNVNLEGN LTLEGVTRGQ  
 SGTYGCRVED YDAADDVQLS KTLLELRVAYL DPLELSEGV LSLPLNSSAV  
 VNCSVHGLPT PALRWTKDST PLGDGPMLSL SSITFDSNGT YVCEASLPTV  
 PVLRSRTQNFT LLVQGSPELK TAEIEPKADG SWREGDEVTL ICSARGHPDP  
 KLSWSQLGGS PAEPIPGRQG WVSSSLTLKV TSALSRDGIS CEASNPHGNK  
 RHFVHFGTVS PQTSQAVEPK SCDKTHTCPP CPAPELLGGP SVFLFPPKPK  
 DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS  
 TYRVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV  
 YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL  
 DSDGSFFLYS KLTVDKSRWQQGNVFSCSVM HEALTHNHYTQ KLSLSLSPGKH  
 HHHHH.

Formulation BCAM protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4), and 10% glycerol.

**Introduction**

Basal Cell Adhesion Molecule (BCAM) which is a product of alternate splicing of the

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Lutheran blood group molecule is a part of the immunoglobulin superfamily. BCAM contains five extracellular immunoglobulin domains, a single transmembrane domain, and a short C-terminal cytoplasmic tail. BCAM protein is upregulated following malignant transformation of some cell types in vivo and in vitro. Furthermore, BCAM interacts with integrin in sickle red cells, and participates in vasoocclusive episodes.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

BCAM produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 755 amino acids (32-547a.a.) and having a molecular mass of 83.2kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). BCAM is expressed with a 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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