

BCAM Protein, Mouse (HEK293, His)

Cat. No.:	HY-P72844
Synonyms:	Basal cell adhesion molecule; B-CAM cell surface glycoprotein; CD239; Bcam; Gplu; Lu
Species:	Mouse
Source:	HEK293
Accession:	Q9R069 (E26-A541)
Gene ID:	57278
Molecular Weight:	70-90 kDa

PROPERTIES

AA Sequence

E L H V S V P P R V	E V M R G E Q V A L	D C T P R E H P E H	Y V L E W F L V D G
T G A R H R L A S V	E P Q G S E F L G T	V H S L G R V P P Y	E V D S R G R L V I
A K V Q V G D G R D	Y V C V V K A G A A	G T S E A T S S V R	V F A T P E D T E V
S P N K G T L S V M	D Q F A Q E I A T C	S S N N G N P V P R	I T W Y R N G Q R L
E V P M E V N Q K G	Y I T I R T V R E A	S G L Y S L T S T L	Y L R L H K D D R D
A N F H C A A H Y D	L P S G Q H G R L D	S H T F R L T L H Y	P T E H V E F W V G
S P S T T E G W V R	E G D A V Q L L C Q	G D G S P S P E Y S	F F R Q Q G T Q E E
Q L N V N L K G N L	T L E R V H R N Q S	G I Y G C R V E D Y	D A D E E V Q L V K
K L K L H V A Y L D	P L E L S V P E E L	F V F L N S S S T V	V N C S A R G L P T
P T V R W T K D S V	T L A D G P M L S L	Q S V T F D S A G T	Y T C E A S T P T V
P L L S R T Q S F Q	L I V Q G A P E L K	P N E I M P K S G N	S W T E G D E V M L
T C S A R G F P E P	K L T W S Q R G D T	P A E P P F E G R G	W K S S S L M V K V
T S A L S R E G V S	C E A S N I H G K K	G H V F H F G S V A	P Q T A Q A

Biological Activity Measured by the ability of the immobilized protein to support the adhesion of HOS human osteogenic sarcoma cells. When 5×10^4 cells per well are added to Recombinant Mouse BCAM coated plates, cell adhesion is enhanced in a dose dependent manner. The ED_{50} for this effect is 0.491 $\mu\text{g}/\text{mL}$. Corresponding to a specific activity is 2.036×10^3 U/mg

Appearance Lyophilized powder

Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Endotoxin Level <1 EU/ μg , determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

The BCAM protein functions as a laminin alpha-5 receptor and may play a role in mediating intracellular signaling, as suggested by its similarities with related proteins.

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

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