

PRODUCT DATA SHEET

COMPLEX

Complex Biotech Co., Ltd

CD102 Recombinant Protein

Catalog: BCP3503

Host: E.coli

Tag: His-tag

BackGround:

Intercellular cell adhesion molecule-2 (CD102/ICAM-2) is a cell surface glycoprotein that belongs to the immunoglobulin superfamily (IgSF) of adhesion molecules. Like CD54/ICAM-1, CD102/ICAM-2 is a ligand that binds the leukocyte adhesion molecule LFA-1 (leukocyte function-associated antigen-1), which mediates intercellular interactions between immune cells and other cell types.

Expression of CD102/ICAM-2 has been shown to affect angiogenesis, cellular radioresistance and anti-tumor immune response. Along with CD54/ICAM-1, CD102/ICAM-2 mediates T cell crawling and diapedesis across the blood-brain barrier, as well as T cell migration across the bronchial epithelium. CD102/ICAM-2 interaction with the actin cytoskeleton through α -actinin has been shown to limit the mobility on neuroblastoma cells, and this effect is dependent on glycosylation of CD102/ICAM-2.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~30kDa

Swiss-Prot:

P13598

Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Restriction Sites:

NdeI-XhoI

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Expression Vector:

pet-22b(+)

DATA:



Note:

For research use only, not for use in diagnostic procedure.