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32-8771: Recombinant Mouse Indoleamine 2,3-Dioxygenase/IDO/INDO (N-6His)

Gene : Ido1
Gene ID : 15930
Uniprot ID : P28776

Description

Source: E.coli.
MW :47.1kD.
Recombinant Mouse Indoleamine 2,3-dioxygenase is produced by our E.coli expression system and the target gene encoding Met1-Pro407 is expressed with a 6His tag at the N-terminus. Indoleamine 2,3-dioxygenase (IDO) is a heme enzyme that initiates the oxidative degradation of the least abundant, essential amino acid, l-tryptophan, along the kynurenine pathway. This protein is normally expressed in the dendritic cells, macrophages, microglia, eosinophils, fibroblasts, endothelial cells, and most tumor cells. IDO activity is associated with immunosuppression and immune attenuation. Several studies showed that IDO can contribute to immune escape when expressed directly in tumor cells or when expressed in immunosuppressive antigen presenting cells such as tolerogenic dendritic cells or tumor associated macrophages. IDO also is a promising therapeutic target for the treatment of cancer, chronic viral infections, and other diseases characterized by pathological immune suppression.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Sodium Acetate, 150mM NaCl and 20% Glycerol, pH4.5..
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MNHKVHHHHHHMALSKISPTEGSRRILEDHHIDEDVGFALPHPLVELPDAYSPWVLVARNLPVLIENGQLREEV
EKLPTLSTDGLRGHRLQRLAHLALGYITMAYVWNRGDDDVRKVLPRNIAVPYCELSEKLGLPPILSYADCVLAN
WKKKDPNGPMTYENMDILFSFPGGDCDKGFFLVSLLVEIAASPAIKAIPTVSSAVERQDLKALEKALHDIATSLEK
AKEIFKRMRDFVDPDTFFHVLRIYLSGWKCSSKLPEGLLYEGVWDTPKMFSGGSAGQSSIFQSLDVLLGIKHEA
GKESPAEFLQEMREYMPPAHRNFLFFLESAPPVREFVISRHNEDLTKAYNECVNGLVSVRKFHLAIVDTYIMKPS
KKKPTDGDKSEEPSNVESRGTGGTNPMTFLRSVKDTTEKALLSWP

Application Note

Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.