

IDO-MCA

Anti-Human Indoleamine 2,3-Dioxygenase Monoclonal Antibody

Indoleamine 2,3-dioxygenase: IDO locates many organs ; human lung, intestine, placenta, ... and it is heavily induced by inflammation and infection diseases to accelerate hypermetabolism of Tryptophan. IDO plays an important role in immune system, especially for immune tolerance establishment by inducing suppressive T-cell.

IDO is also highly expressed in tumor cell to inactivate Effector cell and NK cell, in order to escape from the elimination action by immune defense system.

IDO is highlighted as possible tumor prediction marker.

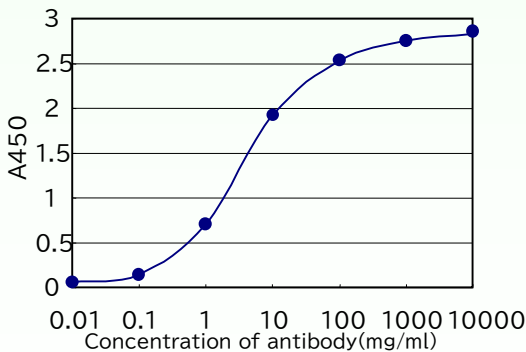
In contrast, IDO induction in central nave products neurotoxin, quinoline acid and is suspected involvement of neurodegenerating diseases, such as Alzheimer and AIDS cognition disorder.

The product is produced by hybridoma cell, which is developed from purified human-IDO antigen immunized mice spleen, and cultivated in Serum-Free Medium Culture and purified by Protein G affinity chromatography.

Specifications

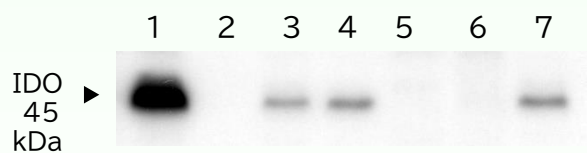
Antigen	Purified-Human-IDO
Subclass	IgG ₁
Concentration	1 mg/mL
Solvent	PBS (NaN ₃ 0.05%)
Content	100 µg
Delivery	Frozen
Applications	Immunohistochemical Staining (available for paraffin section), Immunoprecipitation , Western blot , ELISA

Date



ELISA by purified-human IDO

Use purified- human IDO solid phase(2mg/ml, 100ml/well),
 Add serial dilution IDO-MCA(100ml/well).
 Use HRP-conjugated anti-mouse IgG for secondary antibody,
 And measured absorbance (450nm)

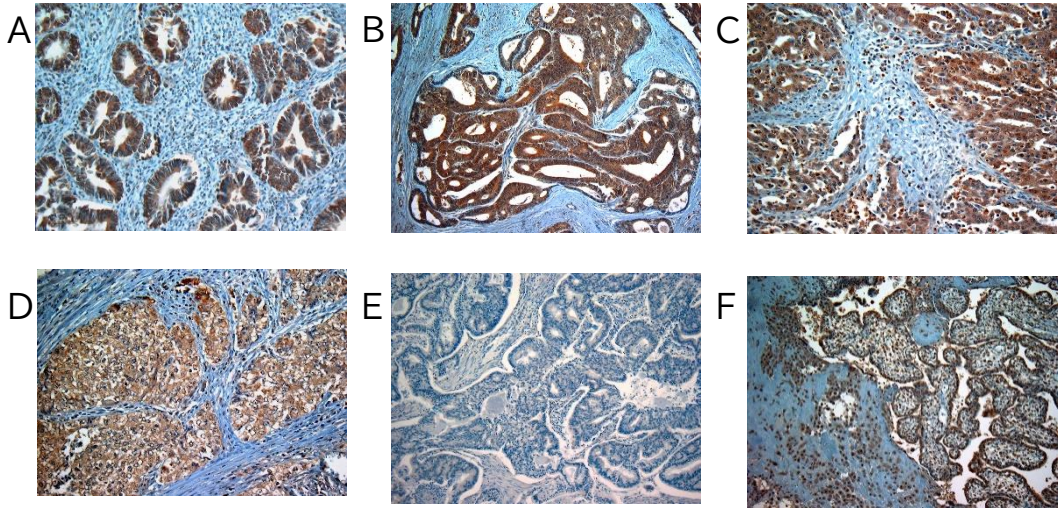


IDO expression inspection in ovarian cancer(western blot)

Lane1 : Positive Control(placenta)
 Lane2-7 : ovarian cancer sample

Data:Dr. Kazuhiko INO, NAGOYA Uni.





IDO immunohistochemical staining of Endometrial cancer

A, B, C, D: endometrial cancer sample

E :endometrial cancer IDO negative control (Use mice normal IgG replace for IDO-MCA)

F :placenta IDO positive control

Data:Dr. Kazuhiko INO, NAGOYA Uni.

References

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