

## anti- HLA class I(HLA-A) antibody

### Product Information

Catalog No.:	FNab03896
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	0D3
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

HLA-A belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-A alleles have been described.

### Immunogen information

Immunogen:	major histocompatibility complex, class I, A
Synonyms:	HLA A, HLA class I, HLA class I (HLA-A), HLA class I ABC, HLA-A, MHC class I antigen A*3
Observed MW:	44 kDa
UniprotID :	P04439/P30443

1

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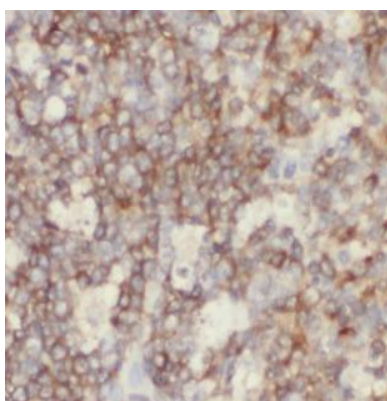
## Application

Reactivity: Human

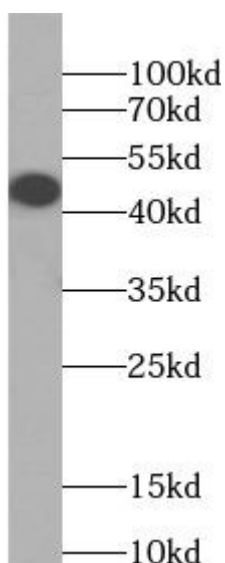
Tested Application: ELISA, WB, IHC, FC

Recommended dilution: WB: 1:1000-1:8000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using FNab03896(HLA class I(HLA-A) Antibody) at dilution of 1:200



HeLa cells were subjected to SDS PAGE followed by western blot with FNab03896(HLA class I(HLA-A) Antibody) at dilution of 1:4000

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