

## 兔抗 HLA-A/F/H 多克隆抗体

中文名称: 兔抗 HLA-A/F/H 多克隆抗体

英文名称: Anti-HLA-A/F/H rabbit polyclonal antibody

别名: major histocompatibility complex, class I, A/F/H; HLAA; HLAF; CDA12; HLA-5.4; HLA-CDA12; HLAHP

抗原: HLA-A/F/H

储存: 冷冻 (-20℃)

宿主: Rabbit

反应种属: Human

相关类别: 一抗

标记物: Unconjugate

克隆类型: rabbit polyclonal

### 技术规格

#### 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.

	<p>y 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. HLA-F belongs to the HLA class I heavy chain paralogues. It encodes a non-classical heavy chain that forms a heterodimer with a beta-2 microglobulin light chain, with the heavy chain anchored in the membrane. Unlike most other HLA heavy chains, this molecule is localized in the endoplasmic reticulum and Golgi apparatus, with a small amount present at the cell surface in some cell types. It contains a divergent peptide-binding groove, and is thought to bind a restricted subset of peptides for immune presentation. This gene exhibits few polymorphisms. Multiple transcript variants encoding different isoforms have been found for this gene. These variants lack a coding exon found in transcripts from other HLA paralogues due to an altered splice acceptor site, resulting in a shorter cytoplasmic domain. HLA-H represents a transcribed pseudogene, possibly derived from HLA-A. This gene displays extensive variation.</p>
<b>Applications:</b>	ELISA, IHC
<b>Name of antibody:</b>	HLA-A/F/H
<b>Immunogen:</b>	Synthetic peptide of human HLA-A/F/H
<b>Full name:</b>	major histocompatibility complex, class I, A/F/H
<b>Synonyms:</b>	HLAA; HLAF; CDA12; HLA-5.4; HLA-CDA12; HLAHP
<b>SwissProt:</b>	P01893
<b>ELISA Recommended dilution:</b>	5000-10000
<b>IHC positive control:</b>	Human tonsil and Human cervical cancer
<b>IHC Recommend dilution:</b>	25-100



